

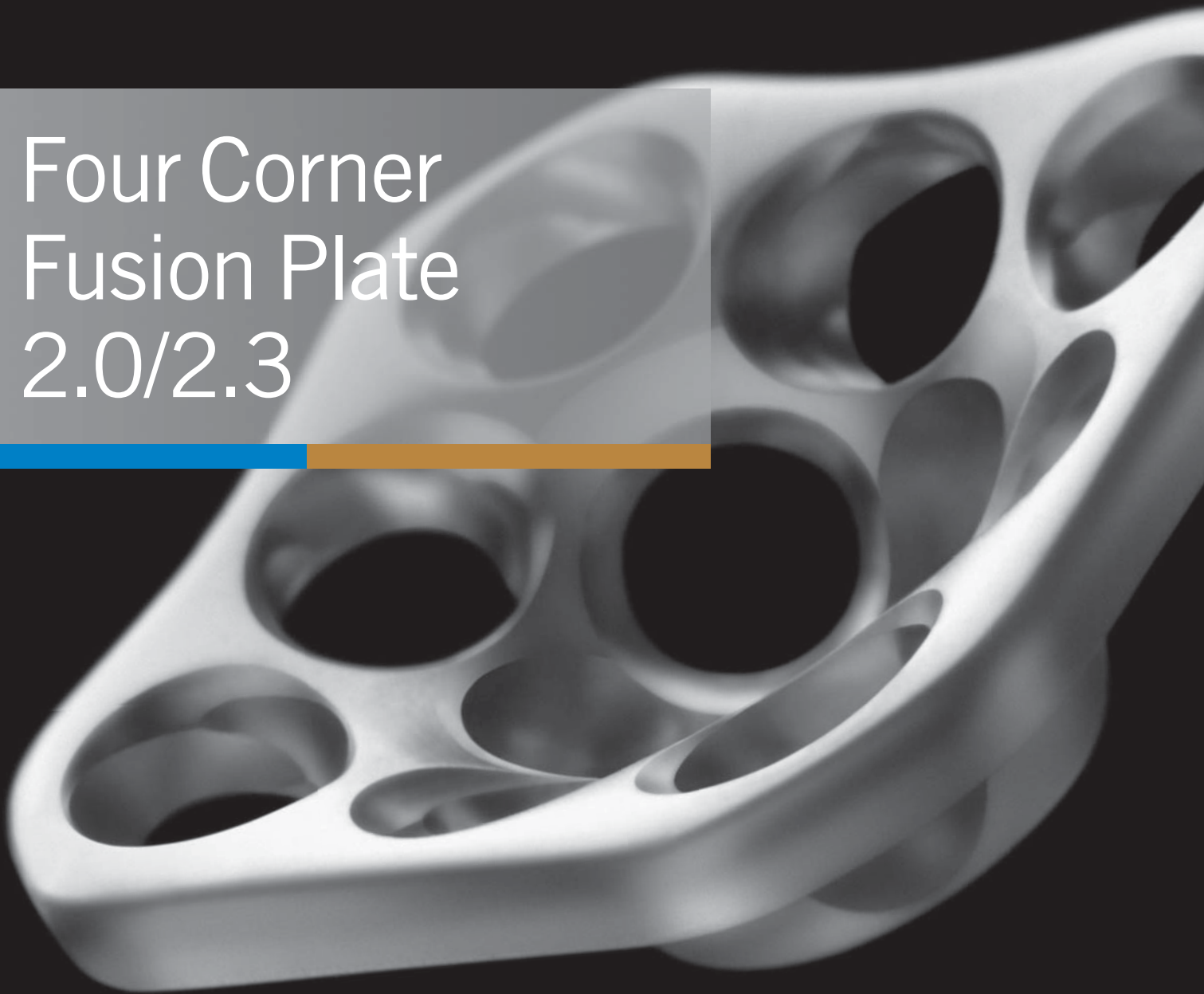
medartis®

PRECISION IN FIXATION

PRODUCT INFORMATION

Four Corner  
Fusion Plate  
2.0/2.3

APTUS®  
Wrist



# Four Corner Fusion Plate 2.0/2.3

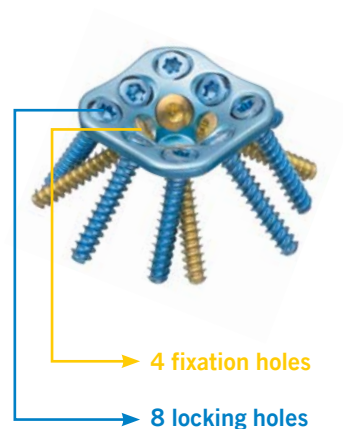
## Multidirectional angular stable plate fixation for mediocarpal partial arthrodesis

The APTUS Four Corner Fusion Plate is an extension to the APTUS Hand 2.0/2.3 fixation system. The implant was developed to fuse the carpal bones capitate, hamate, triquetrum and lunate. Special feature: the plate combines compression of the carpal bones with angular stable fixation and therefore creates a solid bone formation.

Plate fixation with the Four Corner Fusion Plate is intended for patients suffering from post-traumatic or degenerative carpal bone arthrosis, from carpal instability (SNAC or SLAC), from fractures in the intercarpal region or from failed partial arthrodesis. The APTUS Four Corner Fusion Plate allows for an early mobilization.

### FUSION OF THE CARPAL BONES THROUGH COMPRESSION AND STABILITY

- Plate has two different rows of screw holes
  - Lower plate holes for compression of the carpal bones, using cortical screws
  - Upper plate holes for the angular stable fixation, using TriLock screws
- Plate is placed beneath the bone surface – therefore no risk of impingement between the plate and the dorsal radiolunar edge of the radius
- In every carpal bone up to three screws can be inserted
- Concave shape of the reamer and the plate for minimal reaming depth and minimal bone removal
- Easy handling without intraoperative tilting of the plate
- Screws with HexaDrive screw head design
- All screws and instruments of the APTUS Hand 2.0/2.3 system can be used



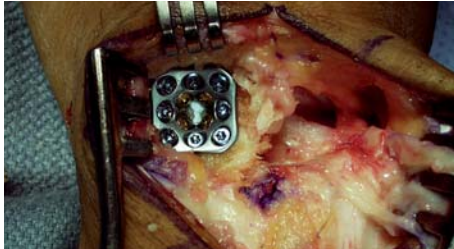
# Clinical Cases

## SNAC Wrist

Dr. Arnold-Peter Weiss, Providence (USA)



Radiograph of a 61-year-old woman, left wrist.



Per carpal bone capitate, hamate, triquetrum and lunate 3 screws (1x cortical screw, 2x TriLock screws) are inserted.



Postoperative X-ray control in 2 planes.

## SLAC Wrist

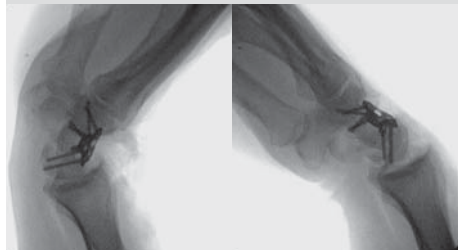
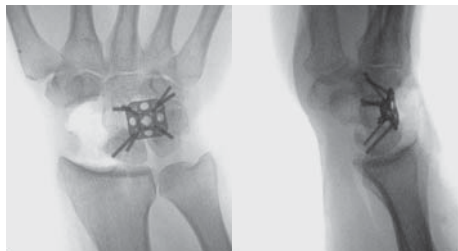
Prof. Dr. Hermann Krimmer, Ravensburg (Germany)



Radiograph of a 55-year-old man, right wrist.



The inner plate holes are filled with 4 golden cortical screws, the outer plate holes are filled with 4 blue TriLock screws.



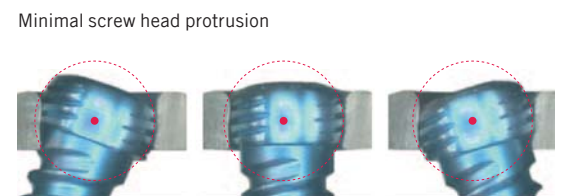
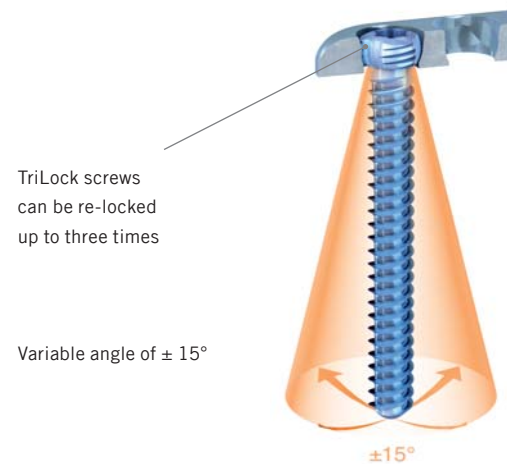
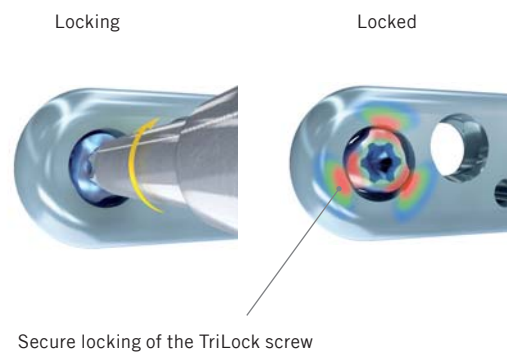
Postoperative X-ray control.

# Technology, Screw Features

## Multidirectional and angular stable TriLock locking technology

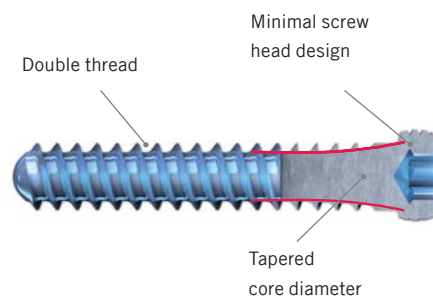
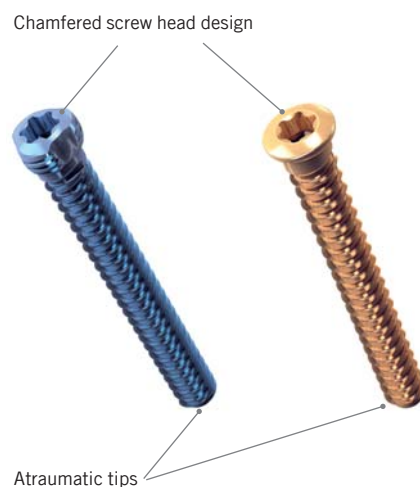
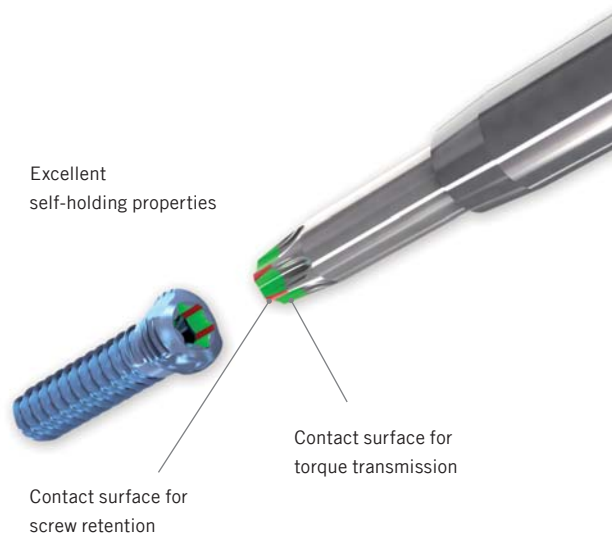
### Technology

- Multidirectional ( $\pm 15^\circ$ ) and angular stable TriLock locking system
  - Spherical three-point wedge-locking
  - Friction locking through radial bracing of the screw head in the plate – without additional tensioning components
- TriLock screws can be re-locked in the same plate hole under individual angles up to three times
- Minimal screw head protrusion thanks to internal locking contour
- No cold welding between plate and screws
- Intra-operative fine tuning capabilities



## Screw Features

- HexaDrive screw head design
  - Secure connection between screw and screwdriver
  - Increased torque transmission
  - Optimal self-retaining mechanism
- Maximum soft tissue protection due to chamfered shape of the screw head without sharp edges
- Atraumatic tip prevents soft tissue irritation when inserting screws bicortically
- Tapered core diameter for increased torsional and tensile strength
- Precision cut thread profile for improved sharpness and self-tapping properties
- Double threaded for faster insertion of TriLock screws
- TiAl6V4 for improved strength

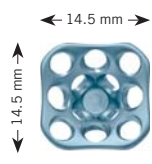


# Ordering Information

## 2.0/2.3 TriLock Four Corner Fusion Plate

Material: Titanium (ASTM F67)

Plate thickness: 1.4 mm



Art. No.	Description	Holes	Pieces per Pack
A-4660.10	Fixation and TriLock	12 (4+8)	1

## 2.0 TriLock Screws, HexaDrive 6

Material: Titanium (ASTM F136)



Length	Art. No.	Pieces per Pack	Art. No.	Pieces per Pack
6 mm	A-5450.06/1	1	A-5450.06	5
7 mm	A-5450.07/1	1	A-5450.07	5
8 mm	A-5450.08/1	1	A-5450.08	5
9 mm	A-5450.09/1	1	A-5450.09	5
10 mm	A-5450.10/1	1	A-5450.10	5
11 mm	A-5450.11/1	1	A-5450.11	5
12 mm	A-5450.12/1	1	A-5450.12	5
13 mm	A-5450.13/1	1	A-5450.13	5
14 mm	A-5450.14/1	1	A-5450.14	5
16 mm	A-5450.16/1	1	A-5450.16	5
18 mm	A-5450.18/1	1	A-5450.18	5
20 mm	A-5450.20/1	1	A-5450.20	5

## 2.0 Cortical Screws, HexaDrive 6

Material: Titanium (ASTM F136)



Length	Art. No.	Pieces per Pack	Art. No.	Pieces per Pack
6 mm	A-5400.06/1	1	A-5400.06	5
7 mm	A-5400.07/1	1	A-5400.07	5
8 mm	A-5400.08/1	1	A-5400.08	5
9 mm	A-5400.09/1	1	A-5400.09	5
10 mm	A-5400.10/1	1	A-5400.10	5
11 mm	A-5400.11/1	1	A-5400.11	5
12 mm	A-5400.12/1	1	A-5400.12	5
13 mm	A-5400.13/1	1	A-5400.13	5
14 mm	A-5400.14/1	1	A-5400.14	5
15 mm	A-5400.15/1	1	A-5400.15	5
16 mm	A-5400.16/1	1	A-5400.16	5
17 mm	A-5400.17/1	1	A-5400.17	5
18 mm	A-5400.18/1	1	A-5400.18	5
19 mm	A-5400.19/1	1	A-5400.19	5
20 mm	A-5400.20/1	1	A-5400.20	5

## 2.3 Cortical Screws, HexaDrive 6

Material: Titanium (ASTM F136)



Length	Art. No.	Pieces per Pack	Art. No.	Pieces per Pack
6 mm	A-5500.06/1	1	A-5500.06	5
7 mm	A-5500.07/1	1	A-5500.07	5
8 mm	A-5500.08/1	1	A-5500.08	5
9 mm	A-5500.09/1	1	A-5500.09	5
10 mm	A-5500.10/1	1	A-5500.10	5
11 mm	A-5500.11/1	1	A-5500.11	5
12 mm	A-5500.12/1	1	A-5500.12	5
13 mm	A-5500.13/1	1	A-5500.13	5
14 mm	A-5500.14/1	1	A-5500.14	5
15 mm	A-5500.15/1	1	A-5500.15	5
16 mm	A-5500.16/1	1	A-5500.16	5
17 mm	A-5500.17/1	1	A-5500.17	5
18 mm	A-5500.18/1	1	A-5500.18	5
19 mm	A-5500.19/1	1	A-5500.19	5
20 mm	A-5500.20/1	1	A-5500.20	5

## 2.0/2.3 Reamer for A-4660.10

Art. No. A-3630



## 3/16 Module for 4CF Plates/Reamer (height 25 mm)

Art. No. A-6400



For further information on twist drills, K-wires and instruments, please see the APTUS Ordering Catalog at [www.medartis.com/meta/downloads/marketing-materials](http://www.medartis.com/meta/downloads/marketing-materials).

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