



**2.0 - 2.7 mm RCS (Radial-Carpal System)
Surgical Technique -**



ASTROLABE

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Medical Implants

Astrolabe recognizes that proper surgical procedures and techniques are responsibilities of medical professionals.

The following guidelines are provided for information purposes only. Each surgeon must evaluate the appropriateness of the procedures based on their medical training, experience and condition of the patient. Before using the system, the surgeon must consult the operating instructions for additional warnings, precautions, indications, contraindications and adverse effects.

RCS - RADIAL-CARPAL SYSTEM 2.0-2.7 mm



2.0mm Cortical 2.7 mm Cortical/ Locking



Locking Plate, Wrist Arthrodesis, Proximal, Small/ Medium/Large, Left/Right - 2.7 mm



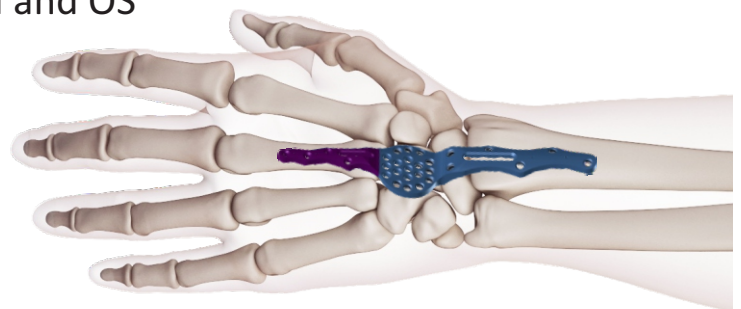
Locking Plate, Wrist Arthrodesis, Small, Left/Right - 2.0/2.7 mm

Features

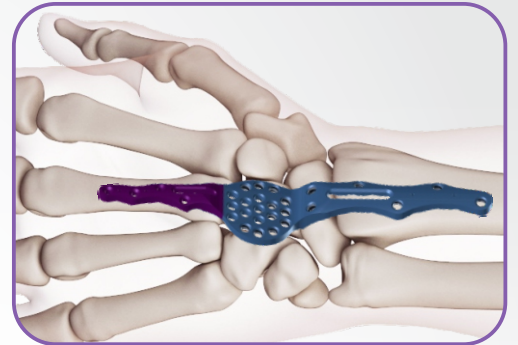
- Possibility of long and short radiocarpal arthrodesis
- 3,0 – 3,5 mm thickness
- Reduction of soft tissues traumas

Indications:

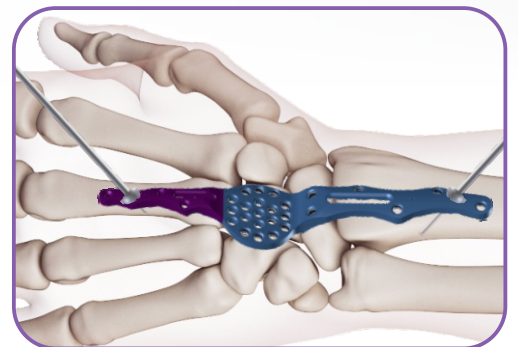
- Indicated for primary and secondary radiocarpal arthrodesis, arthrodesis in situations of defect and situations of rheumatic carpal destruction, long / short arthrodesis of the radius, carpal and OS metacarpal.



- After choosing the appropriate plate, if necessary, it can be moulded (item 11) to better fit the patient's anatomy and is provisionally fixed in place with a Kirschner wire.



- Temporary fixation of the plate can also be done through the Positioning Pins (item 12/13).

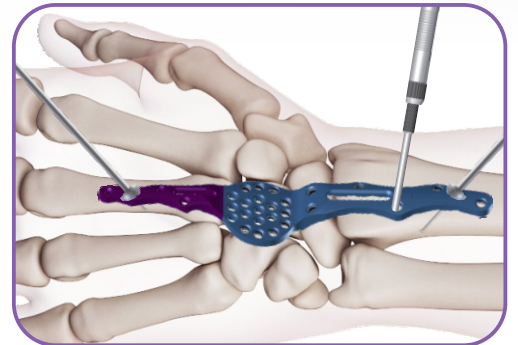
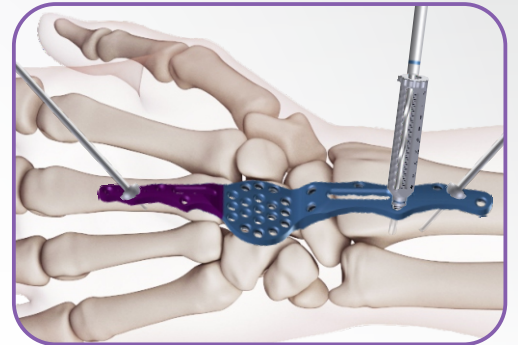


- **Note:** Avoid excessive modeling of the plate as this can compromise its locking mechanisms. When using plate benders, holes adjacent to the bender can lose the ability to lock. If this occurs, a Cortical Screw must be used.

- **2.7 mm Screws Positioning**

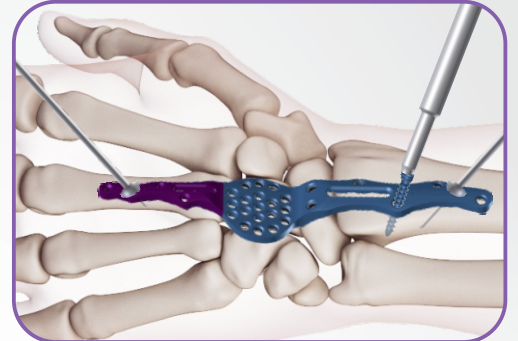
Properly place the Threaded Graduated Drill Guide (item 06) by turning it into the threaded hole, then proceed with drilling using the Drill Bit (item 02/04).

- The reading of the screw measurement can be made directly on the Graduated Drill Guide (item 06) or using the Depth Gauge (item 09).



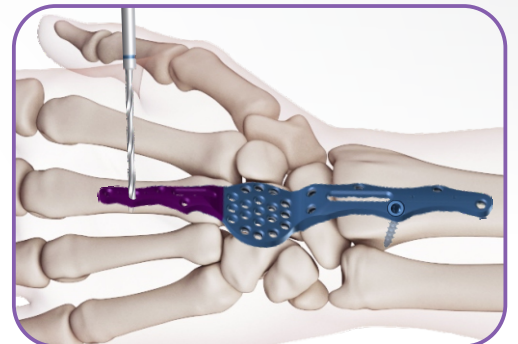
Surgical Technique

- Use the Handle (item 05) and Shaft Screwdriver (item 08) to position the screws

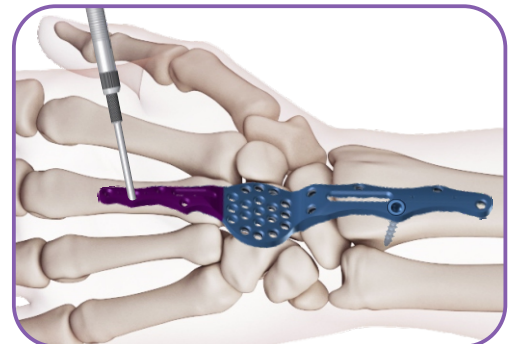


- **2.0 mm Screws Positioning**

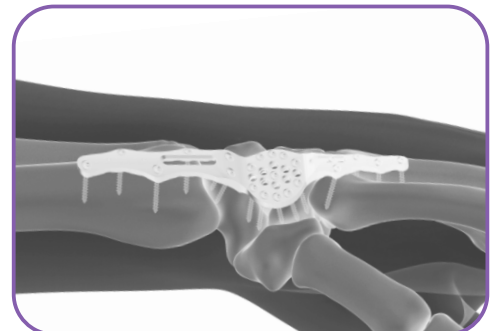
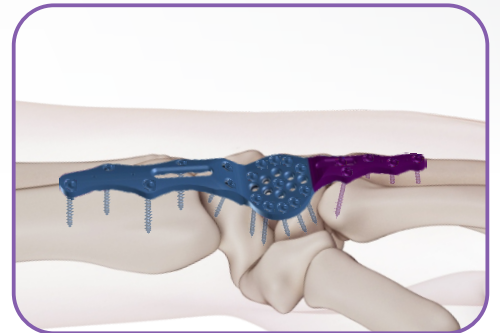
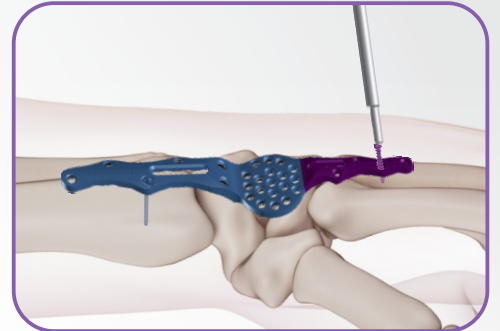
Use the appropriate Drill Bit (item 01/03) and proceed with drilling.



- The screw measure can be obtained by reading on the Depth Gauge (item 09).



- Use the Handle (item 05) and Shaft Screwdriver (item 07) to position the screws.
- The placement of the screws procedure is repeated as many times as necessary, for optimal fixation of the plate.
- Check the final position of the screws through the image intensifier.
- Proceed with x-ray to check if final position is according to initial intention.



01

Drill Bit, Ø1.5 x 85 mm
twist length 30 mm, AO Coupling
Cod.: 09.01.01.15085



02

Drill Bit, Ø2.0 x 120 mm, Stop 50 mm,
AO Coupling, Blue Code
Cod.: 09.01.03.20020



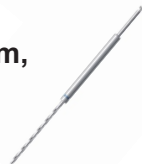
03

Drill Bit, Ø1.5 x 85 mm
twist length 22 mm, Stryker coupling
Cod.: 09.01.06.15085



04

Drill Bit, Ø2.0 x 125 mm, Stop 50 mm,
Stryker Coupling, Barrel Ø4.5 mm,
Blue Code
Cod.: 09.01.07.20021



05

Handle, Cannulated,
AO Coupling, 120mm, Green
Cod.:09.04.04.12030



06

Graduated Drill Guide,
Ø2.0 x 40 mm, Threaded,
Blue Code
Cod.: 09.05.14.04020



07

Shaft Screwdriver, Torx-6, 90 mm
AO Coupling, Red Code
Cód: 09.07.04.06094



08

Shaft Screwdriver, Torx-8, 90 mm,
AO Coupling, Blue Code
Cod.: 09.07.04.08091



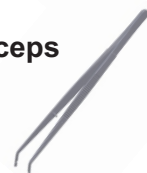
09

Depth Gauge, 60 mm
Cod.: 09.08.01.00060



10

Plate and Screw Holding Forceps
Angled, 150 mm
Cod.: 09.10.06.00150



11

Bending Pliers
Flat, 135 mm
Cod.: 09.14.02.00135



12

Positioning Pin
for Plate, Ø1.4 mm
Cod.:09.29.01.01014



13

Positioning Pin
for Plate, Ø1.4 mm, Threaded
Cod.09.29.01.02014





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