

Surgical **Technique**

2.4mm AV-Wiselock Distal Radius System

about us

Auxein Medical is an integrated, research based, orthopaedic Implants & instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavor to provide a wide basket of generic and our innovator products that exceed the highest expectations of customers in term of quality and safety. The company has world-class manufacturing unit established in india and serves customers in over 75 countries worldwide.

Our Achievements



Guidelines

This publication sets forth detailed recommended procedures for using Auxein Medical devices and instruments.

It offers guidance that needs to be heeded. However, with any such technical guide, each surgeon must consider the unique needs of each patient and make appropriate adjustments when and as required.

A workshop training under DAIS Academy by Auxein will provide assistance prior to first surgery. It is vital to know that all non-sterile devices must be cleaned and sterilized before use.

Moreover, multi-component instruments must be disassembled for cleaning. The surgeon must discuss all relevant risks, including the finite lifetime of the device, with the patient, when necessary.

Please NOTE that all the bone screws referenced in this document here are not approved for screw attachment or fixation in the areas not mentioned in this publication.

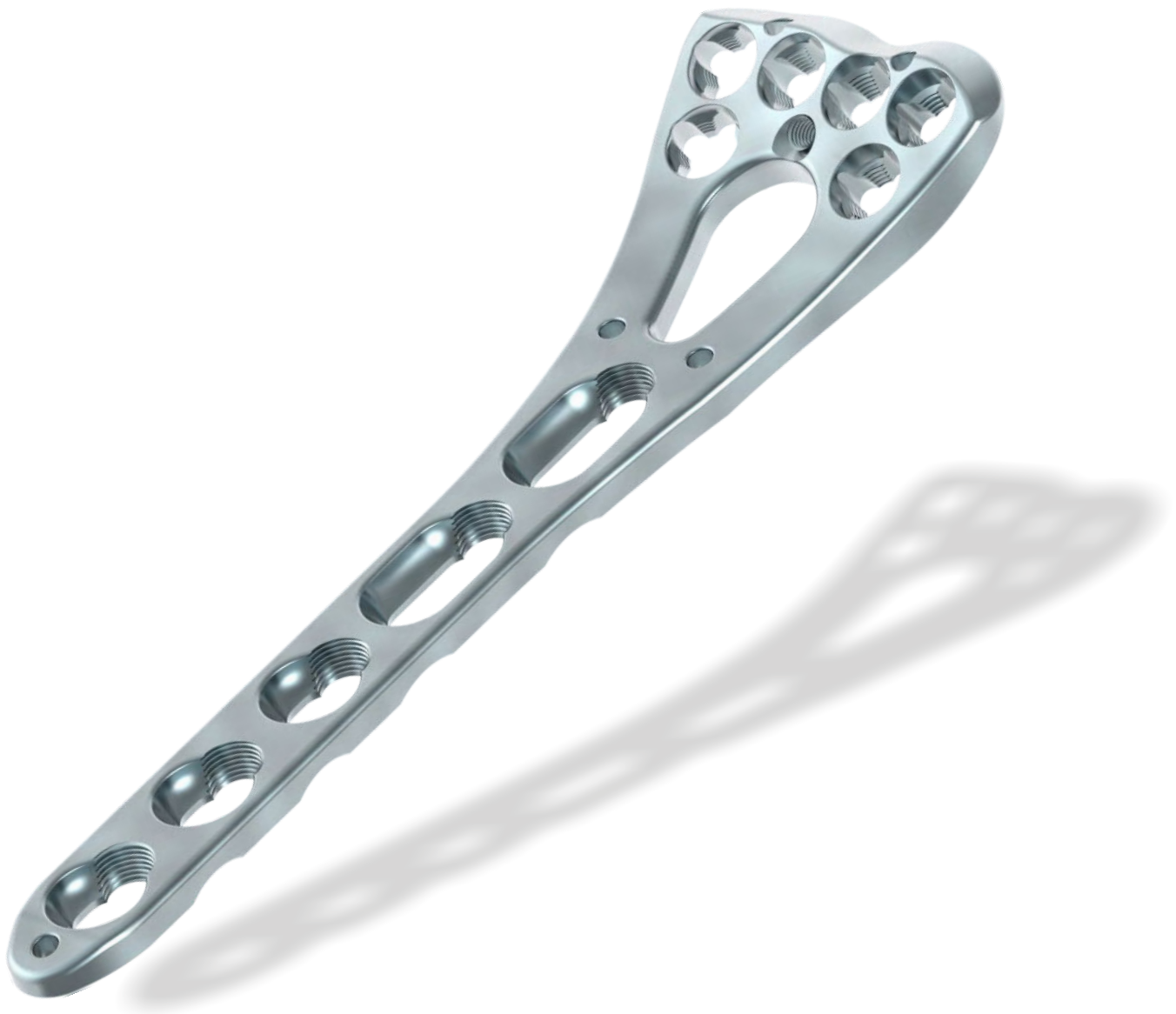
Warning:

This description is not sufficient for immediate application of the instrumentation. Instruction by a surgeon experienced in handling this instrumentation is highly recommended.



INTRODUCTION:

AUXEIN MEDICAL'S AV-Wiselock System consists of variety of Bone plates & fixed angle Bone Screws. This system is a single use implantable device for long term duration (intended for continuous use for more than 30 days) contacting radius bone and its surrounding tissues. AV-Wiselock System plates are having fixed angle and AV-Wiselock holes. Variable locking Holes allow up to 15° off-axis screw angulation in all directions in order to address the individual fracture patterns. Properties of fixed angle plates enable their successful using even in less quality and osteoporotic bones. It is mainly useful during intra-articular fractures treatment.



INDICATIONS:

2.4mm AV-Wiselock Distal Radius Plates are indicated for fixation of:

- Complex intra- and extra- articular fractures.
- Osteotomies of the distal radius and other small bones in adults and skeletally mature adolescents.
- Intra-articular fractures exiting the epiphysis in adolescents.
- Intra-articular fractures exiting the metaphysis in adolescents.
- Physeal crush injuries in adolescents.
- Any injuries which cause growth arrest to the distal radius in adolescents.

CONTRA INDICATIONS:

- Infection, local to the operative site.
- Signs of local inflammation.
- Morbid Obesity.
- Metal sensitivity or intolerance.
- Alcohol or drug addict.
- Symptomatic Arthritis.
- Any patient unwilling to cooperate with the post-operative instructions.
- Anytime implant utilization would interfere with anatomical structures or expected physiological performance.



Patient Positioning: Patient is placed in supine position on an operating table. Forearm is rested on hand table in supinated position in such a way that the palm faces upwards.

Skin Incision: Begin the incision longitudinal just lateral to FCR (Flexor Carpi radialis) tendon. Superficial dissection is done between FCR tendon and radial artery that exposes pronator quadratus muscle. Detach pronator quadratus muscle from lateral aspect of distal radius towards ulna so that distal radius fracture is exposed.



Volar Approach

Plate Selection: According to the fracture pattern and the anatomy of the radius bone, the plate of suitable size is selected.

Plate Contouring: Although the two column volar plates are designed according to the anatomy of the radius bone but sometimes a little

bending of plate could make it sit perfectly on the volar surface. For that purpose, the Bending Forceps (**1312-28**) are used to bend the plate.

***Note:** It is recommended to bend the plate to a certain limit. Otherwise it can distort the threaded holes on the head of the plate.



Fracture Reduction: The selected plate is placed on volar surface such that it fits the anatomy. The plate can be temporarily fixed onto the bone by inserting the 1.2mm guide wire (**1312-08-1.5**) through the holes in the plate as shown in the adjoining figure. Confirm the alignment and the reduction by viewing under image intensifier from different angles.



Shaft Screw Insertion: Shaft consists of holes for both Cortical screws as well as the Wise-Lock screws. Following are the procedures for inserting both cortical and Wise-Lock screws:

Cortical Screw Insertion: The cortical screws are inserted either in the capsule hole or the cortical part of the combi hole depending on the location of fracture. Both 2.4mm and 2.7mm cortical screws can be used for insertion.

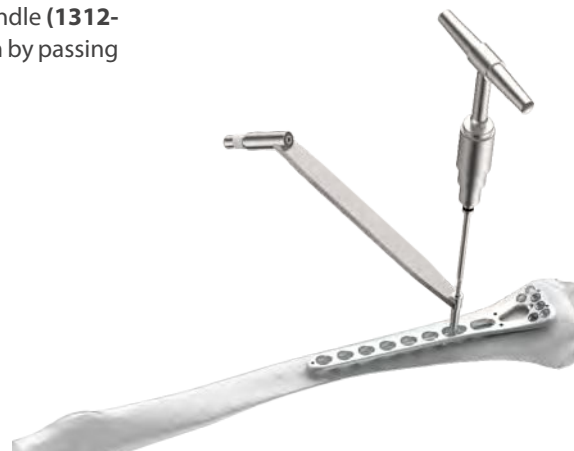


For insertion of 2.4mm cortical screw, the 1.8mm drill bit (**1312-04-1.8**) is passed through the Double drill guide $\Phi 1.8/\Phi 2.4$ (**1312-15**) and the hole is drilled through the bone.



The Depth gauge (**1312-17**) is inserted into the drilled hole and the length of the screw required is determined.

If required, the 2.4mm Tap (**1312-10-2.4**) could be attached to the T-Handle (**1312-02**) and used to create screw threads in the bone for easy screw insertion by passing it through the 2.4mm side of the Double drill guide $\Phi 1.8/\Phi 2.4$ (**1312-15**).



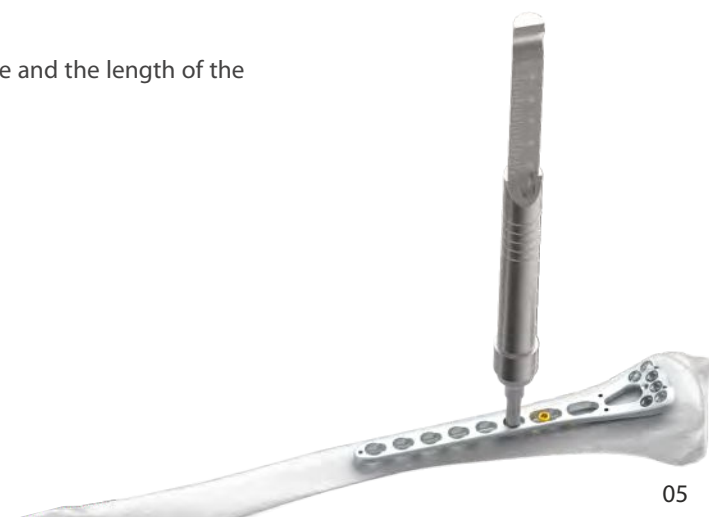
The screw holding sleeve for 2.4mm cortical screw (**1312-20-2.4**) is attached to the screwdriver (**1312-31**) and the assembly is used to pick and insert the 2.4mm cortical screw into the predrill hole.



For insertion of 2.7mm cortical screw, the 2.0mm drill bit (**1312-05-2.0**) is passed through the Double drill guide $\Phi 2.0/\Phi 2.7$ (**1312-16**) and the hole is drilled through the bone.



The Depth gauge (**1312-01**) is inserted into the drilled hole and the length of the screw required is determined.



If required, the 2.7mm Tap (**1312-11-2.7**) could be used to create screw threads in the bone for easy screw insertion by passing it through the 2.7mm side of Double drill guide $\Phi 2.0/\Phi 2.7$ (**1312-16**).



The screw holding sleeve for 2.7mm cortical screw (**1312-20-2.7**) is attached to the screwdriver (**1312-31**) and the assembly is used to pick and insert the 2.7mm cortical screw in the predrilled hole.

If required, the 2.7mm drill bit (**1312-07-2.7**) is also available in the instrument set for lag screw insertion technique using 2.7mm cortical screw in order to achieve compression of the bone fragments as described below:

The 2.7mm drill bit is passed through the first cortical and removed. Now the 2.0mm drill bit (**1312-05-2.0**) is passed through the predrilled hole and drilled through the second cortical. The 2.7mm cortical screw is now inserted into the predrilled hole. The screw will easily pass through the first cortical and will be screwed into the second cortical. Because of the more bone purchase in the second cortical as compared to the first, the fractured bone fragments will start moving towards each other and provide compression for healing the fracture. The screw will be inserted normal to the fracture.



Wise-Lock Screw Insertion: The 1.8mm drill sleeve (**1312-13-1.8**) is aligned with the trajectory of the threaded plate hole and the sleeve is approximately given a quarter counter-clockwise turn until the thread engages. Finally the sleeve is advanced clockwise until firmly seated. The 1.8mm drill bit (**1312-04-1.8**) is now inserted in the drill sleeve in order to drill the hole through the bone. The Laser marking on the drill bit in alignment to the laser marking on the drill sleeve directly indicates the required screw length.



The Quick coupling handle (**1312-22**) is attached to the 0.8 Nm limited torque screwdriver (**1312-21**) which is further attached to the Screwdriver shaft (**1312-18**). The screw holding sleeve for 2.4mm locking screw (**1312-30-2.4**) is now inserted into screwdriver shaft. This assembly is now used to pick and insert the Wise-Lock screw into the predrilled hole. Torque limiting screwdriver helps in preventing the over tightening of the screw.

Note: It is highly recommended to use only the torque screw driver for AV-Wiselock and Wise-Lock screw insertion in order to achieve the proper fixation and reduce the chances of screw failure.



AV-Wiselock screw insertion: The AV-Wiselock screws are inserted into the holes on the head of the plate.

The Frustum of a cone shaped end of the Universal AV-Wiselock Drill Guide (**1312-30**) is placed on AV-Wiselock hole of the plate. Now 1.8mm drill bit (**1312-04-1.8**) is inserted into the drill guide at a desired angle and the hole is drilled. The angle may vary from 0° to 15° from the center of the guide axis.



The other end of the guide may be used if the screw is to be inserted at a nominal trajectory to the AV-Wiselock holes. The marking on the guide directly indicates the required screw length.



The Depth Gauge (**1312-17**) is now used to measure the required screw length by inserting it into the predrilled hole.

If required, 2.4mm tap (**1312-10-2.4**) is available to create the screw threads in bone for easy screw insertion.

The similar assembly of the torque limited screwdriver as used in the Wise-Lock screw insertion is used to pick and insert the AV-Wiselock screw in the predrilled hole



Alternate Technique: The AV-Wiselock screws can also be inserted using the guide blocks.

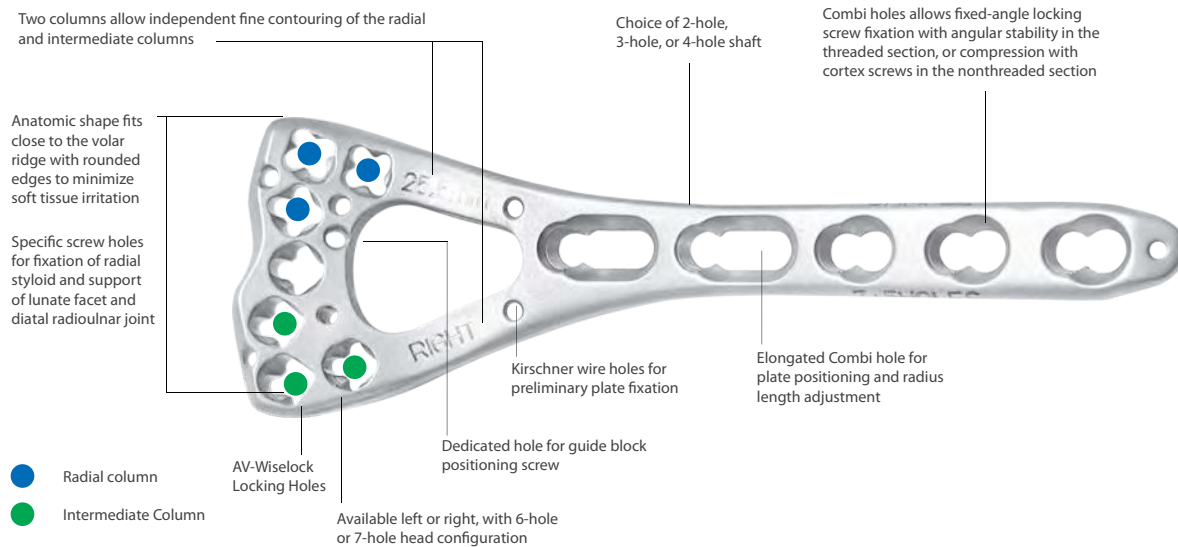
First the guide block is selected from the three options available depending on the width of selected plate i.e. 19.5mm, 22mm & 25.5mm. The guide block is aligned with the head holes on the plate and is fixed in place with the help of jig lock screw. Now, the Narrow guide block sleeve is inserted into the guide block hole. The 1.8mm drill bit is passed through the sleeve and the bone is drilled. Required screw length can be directly measured from the markings on the sleeve.



The AV-Wiselock screw of selected size is inserted into the predrilled hole through the guide block using the same torque limited screwdriver assembly as used earlier.

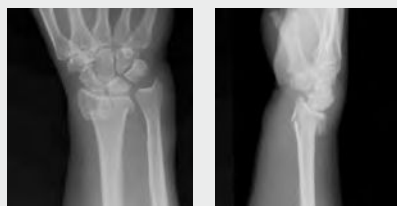


2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate



INDICATIONS

The 2.4mm AV-Wiselock Distal Radius Plates are indicated for fixation if complex intra- and extra-articular fractures and osteotomies of the distal radius and other small bones in adults, skeletally mature adolescents, and the following adolescent distal radius fractures:



- Intra-articular fractures exiting the epiphysis
- Intra-articular fractures exiting the metaphysis
- Physeal crush injuries
- Any injuries which cause growth arrest to the distal radius

PREOPERATIVE PLANNING

Nominal screw trajectories in AV-Wiselock Two-Column Volar Distal Radius Plates when using pre-defined angle technique

AV-Wiselock Two-Column Volar Distal Radius plates provides various locking screw options in the head of the plate to optimally support the articular surface:

- radial screws for the radial column
- ulnar screws for the intermediate column

When planning the placement of screws, particularly if using the nominal angle of the trajectories (e.g., with the aid of the guiding block), refer to the charts below for reference.

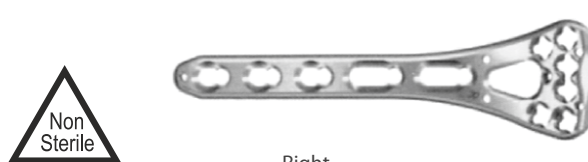
2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Narrow



Left

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.002L	TI-546.002L	6	19.5	2
546.003L	TI-546.003L	6	19.5	3
546.004L	TI-546.004L	6	19.5	4
546.005L	TI-546.005L	6	19.5	5
546.006L	TI-546.006L	6	19.5	6
546.007L	TI-546.007L	6	19.5	7
546.008L	TI-546.008L	6	19.5	8



Right

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.002R	TI-546.002R	6	19.5	2
546.003R	TI-546.003R	6	19.5	3
546.004R	TI-546.004R	6	19.5	4
546.005R	TI-546.005R	6	19.5	5
546.006R	TI-546.006R	6	19.5	6
546.007R	TI-546.007R	6	19.5	7
546.008R	TI-546.008R	6	19.5	8

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Standard



Left

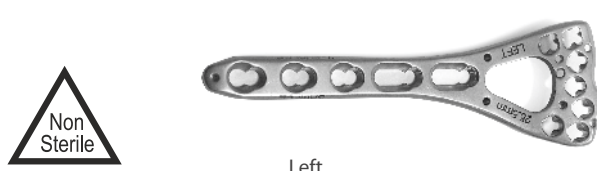
Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.202L	TI-546.202L	6	22	2
546.203L	TI-546.203L	6	22	3
546.204L	TI-546.204L	6	22	4
546.205L	TI-546.205L	6	22	5
546.206L	TI-546.206L	6	22	6
546.207L	TI-546.207L	6	22	7
546.208L	TI-546.208L	6	22	8



Right

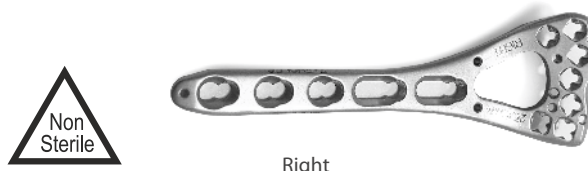
Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.202R	TI-546.202R	6	22	2
546.203R	TI-546.203R	6	22	3
546.204R	TI-546.204R	6	22	4
546.205R	TI-546.205R	6	22	5
546.206R	TI-546.206R	6	22	6
546.207R	TI-546.207R	6	22	7
546.208R	TI-546.208R	6	22	8

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Wide



Left

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
548.002L	TI-548.002L	7	25.5	2
548.003L	TI-548.003L	7	25.5	3
548.004L	TI-548.004L	7	25.5	4
548.005L	TI-548.005L	7	25.5	5
548.006L	TI-548.006L	7	25.5	6
548.007L	TI-548.007L	7	25.5	7
548.008L	TI-548.008L	7	25.5	8



Right

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
548.002R	TI-548.002R	7	25.5	2
548.003R	TI-548.003R	7	25.5	3
548.004R	TI-548.004R	7	25.5	4
548.005R	TI-548.005R	7	25.5	5
548.006R	TI-548.006R	7	25.5	6
548.007R	TI-548.007R	7	25.5	7
548.008R	TI-548.008R	7	25.5	8

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Narrow



STERILE

Left

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.002L-S	TI-546.002L-S	6	19.5	2
546.003L-S	TI-546.003L-S	6	19.5	3
546.004L-S	TI-546.004L-S	6	19.5	4
546.005L-S	TI-546.005L-S	6	19.5	5
546.006L-S	TI-546.006L-S	6	19.5	6
546.007L-S	TI-546.007L-S	6	19.5	7
546.008L-S	TI-546.008L-S	6	19.5	8



STERILE

Right

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.002R-S	TI-546.002R-S	6	19.5	2
546.003R-S	TI-546.003R-S	6	19.5	3
546.004R-S	TI-546.004R-S	6	19.5	4
546.005R-S	TI-546.005R-S	6	19.5	5
546.006R-S	TI-546.006R-S	6	19.5	6
546.007R-S	TI-546.007R-S	6	19.5	7
546.008R-S	TI-546.008R-S	6	19.5	8

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Standard



STERILE

Left

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.202L-S	TI-546.202L-S	6	22	2
546.203L-S	TI-546.203L-S	6	22	3
546.204L-S	TI-546.204L-S	6	22	4
546.205L-S	TI-546.205L-S	6	22	5
546.206L-S	TI-546.206L-S	6	22	6
546.207L-S	TI-546.207L-S	6	22	7
546.208L-S	TI-546.208L-S	6	22	8



STERILE

Right

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
546.202R-S	TI-546.202R-S	6	22	2
546.203R-S	TI-546.203R-S	6	22	3
546.204R-S	TI-546.204R-S	6	22	4
546.205R-S	TI-546.205R-S	6	22	5
546.206R-S	TI-546.206R-S	6	22	6
546.207R-S	TI-546.207R-S	6	22	7
546.208R-S	TI-546.208R-S	6	22	8

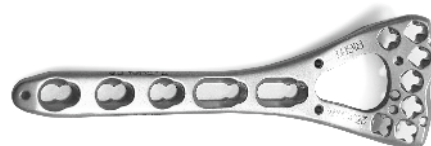
2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Wide



STERILE

Left

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
548.002L-S	TI-548.002L-S	7	25.5	2
548.003L-S	TI-548.003L-S	7	25.5	3
548.004L-S	TI-548.004L-S	7	25.5	4
548.005L-S	TI-548.005L-S	7	25.5	5
548.006L-S	TI-548.006L-S	7	25.5	6
548.007L-S	TI-548.007L-S	7	25.5	7
548.008L-S	TI-548.008L-S	7	25.5	8



STERILE

Right

Stainless Steel	Titanium	Head Hole	Width	Shaft Hole
548.002R-S	TI-548.002R-S	7	25.5	2
548.003R-S	TI-548.003R-S	7	25.5	3
548.004R-S	TI-548.004R-S	7	25.5	4
548.005R-S	TI-548.005R-S	7	25.5	5
548.006R-S	TI-548.006R-S	7	25.5	6
548.007R-S	TI-548.007R-S	7	25.5	7
548.008R-S	TI-548.008R-S	7	25.5	8

Aiming Block For AV-Wiselock Two-Column Volar Distal Radius Plate, **Narrow**



Holes	Direction	Width	Titanium	Stainless Steel
6	Left	19.5mm	TI-650-19.5L	650-19.5L
6	Right	19.5mm	TI-650-19.5R	650-19.5R



STERILE

Holes	Direction	Width	Titanium	Stainless Steel
6	Left	19.5mm	TI-650-19.5L-S	650-19.5L-S
6	Right	19.5mm	TI-650-19.5R-S	650-19.5R-S

Aiming Block For AV-Wiselock Two-Column Volar Distal Radius Plate, **Standard**



Holes	Direction	Width	Titanium	Stainless Steel
6	Left	22mm	TI-650-22L	650-22L
6	Right	22mm	TI-650-22R	650-22R



STERILE

Holes	Direction	Width	Titanium	Stainless Steel
6	Left	22mm	TI-650-22L-S	650-22L-S
6	Right	22mm	TI-650-22R-S	650-22R-S

Aiming Block For AV-Wiselock Two-Column Volar Distal Radius Plate, **Wide**



Holes	Direction	Width	Titanium	Stainless Steel
6	Left	25.5mm	TI-650-25.5L	650-25.5L
6	Right	25.5mm	TI-650-25.5R	650-25.5R



STERILE

Holes	Direction	Width	Titanium	Stainless Steel
6	Left	25.5mm	TI-650-25.5L-S	650-25.5L-S
6	Right	25.5mm	TI-650-25.5R-S	650-25.5R-S

Aiming Block Drill Sleeve



Titanium	Stainless Steel
TI-650-01	650-01

STERILE

Titanium	Stainless Steel
TI-650-01-S	650-01-S



Aiming Block Screw



Titanium	Stainless Steel
TI-650-02	650-02

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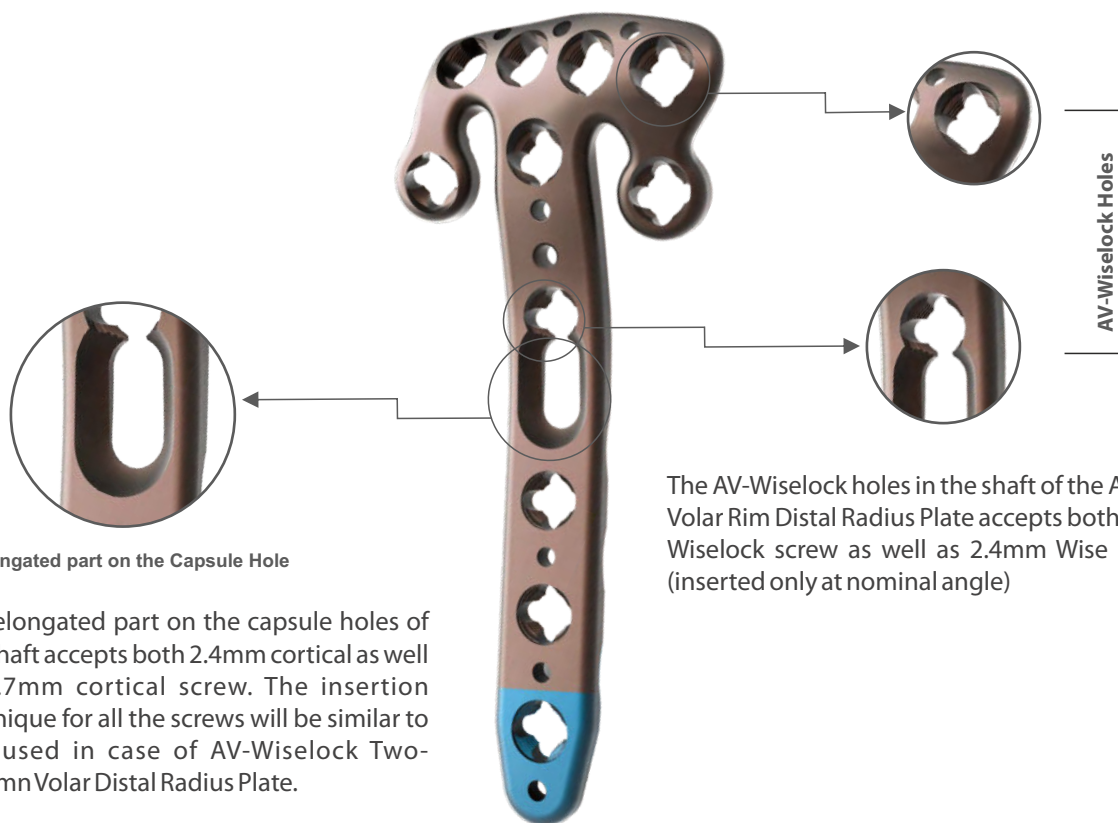
Titanium	Stainless Steel
TI-650-02-S	650-02-S



2.4 mm AV-Wiselock Volar Rim Distal Radius System

The Technique used for fixation of AV-Wiselock Volar Rim Distal Radius Plate is similar to the one used for fixation of AV-Wiselock Two-Column Volar Distal Radius Plate as shown above. Following discussed are the few important points for fixation of AV-Wiselock Volar Rim Distal Radius Plate:

A different guide block will be used for insertion of the AV-Wiselock screws in the head of the AV-Wiselock Volar Rim Distal Radius Plate in comparison to the one used in case of AV-Wiselock Two-Column Volar Distal Radius Plate as shown in the adjoining figure.



The elongated part on the capsule holes of the shaft accepts both 2.4mm cortical as well as 2.7mm cortical screw. The insertion technique for all the screws will be similar to one used in case of AV-Wiselock Two-Column Volar Distal Radius Plate.

The AV-Wiselock holes in the shaft of the AV-Wiselock Volar Rim Distal Radius Plate accepts both 2.4mm AV-Wiselock screw as well as 2.4mm Wise Lock screw (inserted only at nominal angle)

2.4mm AV-Wiselock Volar Rim Distal Radius Plate

2.4mm AV-Wiselock Volar Rim Distal Radius Plate, 6 Head Holes



Left

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-06-03L	TI-560-06-03L	6	3
560-06-04L	TI-560-06-04L	6	4
560-06-05L	TI-560-06-05L	6	5
560-06-06L	TI-560-06-06L	6	6
560-06-07L	TI-560-06-07L	6	7
560-06-08L	TI-560-06-08L	6	8



Right

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-06-03R	TI-560-06-03R	6	3
560-06-04R	TI-560-06-04R	6	4
560-06-05R	TI-560-06-05R	6	5
560-06-06R	TI-560-06-06R	6	6
560-06-07R	TI-560-06-07R	6	7
560-06-08R	TI-560-06-08R	6	8

2.4mm AV-Wiselock Volar Rim Distal Radius Plate, 7 Head Holes



Left

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-07-03L	TI-560-07-03L	7	3
560-07-04L	TI-560-07-04L	7	4
560-07-05L	TI-560-07-05L	7	5
560-07-06L	TI-560-07-06L	7	6
560-07-07L	TI-560-07-07L	7	7
560-07-08L	TI-560-07-08L	7	8



Right

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-07-03R	TI-560-07-03R	7	3
560-07-04R	TI-560-07-04R	7	4
560-07-05R	TI-560-07-05R	7	5
560-07-06R	TI-560-07-06R	7	6
560-07-07R	TI-560-07-07R	7	7
560-07-08R	TI-560-07-08R	7	8

2.4mm AV-Wiselock Volar Rim Distal Radius Plate

2.4mm AV-Wiselock Volar Rim Distal Radius Plate, 6 Head Holes



STERILE

Left

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-06-03L-S	TI-560-06-03L-S	6	3
560-06-04L-S	TI-560-06-04L-S	6	4
560-06-05L-S	TI-560-06-05L-S	6	5
560-06-06L-S	TI-560-06-06L-S	6	6
560-06-07L-S	TI-560-06-07L-S	6	7
560-06-08L-S	TI-560-06-08L-S	6	8

STERILE

Right

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-06-03R-S	TI-560-06-03R-S	6	3
560-06-04R-S	TI-560-06-04R-S	6	4
560-06-05R-S	TI-560-06-05R-S	6	5
560-06-06R-S	TI-560-06-06R-S	6	6
560-06-07R-S	TI-560-06-07R-S	6	7
560-06-08R-S	TI-560-06-08R-S	6	8

2.4mm AV-Wiselock Volar Rim Distal Radius Plate, 7 Head Holes



STERILE

Left

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-07-03L-S	TI-560-07-03L-S	7	3
560-07-04L-S	TI-560-07-04L-S	7	4
560-07-05L-S	TI-560-07-05L-S	7	5
560-07-06L-S	TI-560-07-06L-S	7	6
560-07-07L-S	TI-560-07-07L-S	7	7
560-07-08L-S	TI-560-07-08L-S	7	8

STERILE

Right

Stainless Steel	Titanium	Head Hole	Shaft Hole
560-07-03R-S	TI-560-07-03R-S	7	3
560-07-04R-S	TI-560-07-04R-S	7	4
560-07-05R-S	TI-560-07-05R-S	7	5
560-07-06R-S	TI-560-07-06R-S	7	6
560-07-07R-S	TI-560-07-07R-S	7	7
560-07-08R-S	TI-560-07-08R-S	7	8

Aiming Block For AV-Wiselock Volar Rim Distal Radius Plate, 6 Head Holes


STERILE

Direction	Titanium	Stainless Steel
Left	TI-651-06L	651-06L
Right	TI-651-06R	651-06R

Direction	Titanium	Stainless Steel
Left	TI-651-06L-S	651-06L-S
Right	TI-651-06R-S	651-06R-S



Aiming Block For AV-Wiselock Volar Rim Distal Radius Plate, 7 Head Holes


STERILE

Direction	Titanium	Stainless Steel
Left	TI-651-07L	651-07L
Right	TI-651-07R	651-07R

Direction	Titanium	Stainless Steel
Left	TI-651-07L-S	651-07L-S
Right	TI-651-07R-S	651-07R-S



Aiming Block Drill Sleeve


STERILE

Titanium	Stainless Steel
TI-650-01	650-01

Titanium	Stainless Steel
TI-650-01-S	650-01-S



Aiming Block Screw


STERILE

Titanium	Stainless Steel
TI-650-02	650-02

Titanium	Stainless Steel
TI-650-02-S	650-02-S



2.4mm AV-Wiselock Screw, Self-Tapping, (Star Head)



Dia	Length	Titanium	Stainless Steel
Ø2.4	6mm	TI-549.006	549.006
Ø2.4	8mm	TI-549.008	549.008
Ø2.4	10mm	TI-549.010	549.010
Ø2.4	12mm	TI-549.012	549.012
Ø2.4	14mm	TI-549.014	549.014
Ø2.4	16mm	TI-549.016	549.016
Ø2.4	18mm	TI-549.018	549.018
Ø2.4	20mm	TI-549.020	549.020
Ø2.4	22mm	TI-549.022	549.022
Ø2.4	24mm	TI-549.024	549.024
Ø2.4	26mm	TI-549.026	549.026
Ø2.4	28mm	TI-549.028	549.028
Ø2.4	30mm	TI-549.030	549.030

STERILE

Dia	Length	Titanium	Stainless Steel
Ø2.4	6mm	TI-549.006-S	549.006-S
Ø2.4	8mm	TI-549.008-S	549.008-S
Ø2.4	10mm	TI-549.010-S	549.010-S
Ø2.4	12mm	TI-549.012-S	549.012-S
Ø2.4	14mm	TI-549.014-S	549.014-S
Ø2.4	16mm	TI-549.016-S	549.016-S
Ø2.4	18mm	TI-549.018-S	549.018-S
Ø2.4	20mm	TI-549.020-S	549.020-S
Ø2.4	22mm	TI-549.022-S	549.022-S
Ø2.4	24mm	TI-549.024-S	549.024-S
Ø2.4	26mm	TI-549.026-S	549.026-S
Ø2.4	28mm	TI-549.028-S	549.028-S
Ø2.4	30mm	TI-549.030-S	549.030-S



2.4mm Wise-Lock Screw, Self-Tapping, (Star Head)



Dia	Length	Titanium	Stainless Steel
Ø2.4	6mm	TI-1145.06	1145.06
Ø2.4	8mm	TI-1145.08	1145.08
Ø2.4	10mm	TI-1145.10	1145.10
Ø2.4	12mm	TI-1145.12	1145.12
Ø2.4	14mm	TI-1145.14	1145.14
Ø2.4	16mm	TI-1145.16	1145.16
Ø2.4	18mm	TI-1145.18	1145.18
Ø2.4	20mm	TI-1145.20	1145.20
Ø2.4	22mm	TI-1145.22	1145.22
Ø2.4	24mm	TI-1145.24	1145.24
Ø2.4	26mm	TI-1145.26	1145.26
Ø2.4	28mm	TI-1145.28	1145.28
Ø2.4	30mm	TI-1145.30	1145.30

STERILE

Dia	Length	Titanium	Stainless Steel
Ø2.4	6mm	TI-1145.06-S	1145.06-S
Ø2.4	8mm	TI-1145.08-S	1145.08-S
Ø2.4	10mm	TI-1145.10-S	1145.10-S
Ø2.4	12mm	TI-1145.12-S	1145.12-S
Ø2.4	14mm	TI-1145.14-S	1145.14-S
Ø2.4	16mm	TI-1145.16-S	1145.16-S
Ø2.4	18mm	TI-1145.18-S	1145.18-S
Ø2.4	20mm	TI-1145.20-S	1145.20-S
Ø2.4	22mm	TI-1145.22-S	1145.22-S
Ø2.4	24mm	TI-1145.24-S	1145.24-S
Ø2.4	26mm	TI-1145.26-S	1145.26-S
Ø2.4	28mm	TI-1145.28-S	1145.28-S
Ø2.4	30mm	TI-1145.30-S	1145.30-S



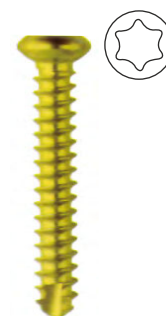
2.4mm Cortical Screw, Self-Tapping, (Star Head)



Dia	Length	Titanium	Stainless Steel
Ø2.4	6mm	TI-1144.06	1144.06
Ø2.4	8mm	TI-1144.08	1144.08
Ø2.4	10mm	TI-1144.10	1144.10
Ø2.4	12mm	TI-1144.12	1144.12
Ø2.4	14mm	TI-1144.14	1144.14
Ø2.4	16mm	TI-1144.16	1144.16
Ø2.4	18mm	TI-1144.18	1144.18
Ø2.4	20mm	TI-1144.20	1144.20
Ø2.4	22mm	TI-1144.22	1144.22
Ø2.4	24mm	TI-1144.24	1144.24
Ø2.4	26mm	TI-1144.26	1144.26
Ø2.4	28mm	TI-1144.28	1144.28
Ø2.4	30mm	TI-1144.30	1144.30

STERILE

Dia	Length	Titanium	Stainless Steel
Ø2.4	6mm	TI-1144.06-S	1144.06-S
Ø2.4	8mm	TI-1144.08-S	1144.08-S
Ø2.4	10mm	TI-1144.10-S	1144.10-S
Ø2.4	12mm	TI-1144.12-S	1144.12-S
Ø2.4	14mm	TI-1144.14-S	1144.14-S
Ø2.4	16mm	TI-1144.16-S	1144.16-S
Ø2.4	18mm	TI-1144.18-S	1144.18-S
Ø2.4	20mm	TI-1144.20-S	1144.20-S
Ø2.4	22mm	TI-1144.22-S	1144.22-S
Ø2.4	24mm	TI-1144.24-S	1144.24-S
Ø2.4	26mm	TI-1144.26-S	1144.26-S
Ø2.4	28mm	TI-1144.28-S	1144.28-S
Ø2.4	30mm	TI-1144.30-S	1144.30-S



2.7mm Cortical Screw, Self-Tapping, (Star Head)



Dia	Length	Titanium	Stainless Steel
Ø2.7	6mm	TI-1242.06	1242.06
Ø2.7	8mm	TI-1242.08	1242.08
Ø2.7	10mm	TI-1242.10	1242.10
Ø2.7	12mm	TI-1242.12	1242.12
Ø2.7	14mm	TI-1242.14	1242.14
Ø2.7	16mm	TI-1242.16	1242.16
Ø2.7	18mm	TI-1242.18	1242.18
Ø2.7	20mm	TI-1242.20	1242.20
Ø2.7	22mm	TI-1242.22	1242.22
Ø2.7	24mm	TI-1242.24	1242.24
Ø2.7	26mm	TI-1242.26	1242.26
Ø2.7	28mm	TI-1242.28	1242.28
Ø2.7	30mm	TI-1242.30	1242.30

STERILE

Dia	Length	Titanium	Stainless Steel
Ø2.7	6mm	TI-1242.06-S	1242.06-S
Ø2.7	8mm	TI-1242.08-S	1242.08-S
Ø2.7	10mm	TI-1242.10-S	1242.10-S
Ø2.7	12mm	TI-1242.12-S	1242.12-S
Ø2.7	14mm	TI-1242.14-S	1242.14-S
Ø2.7	16mm	TI-1242.16-S	1242.16-S
Ø2.7	18mm	TI-1242.18-S	1242.18-S
Ø2.7	20mm	TI-1242.20-S	1242.20-S
Ø2.7	22mm	TI-1242.22-S	1242.22-S
Ø2.7	24mm	TI-1242.24-S	1242.24-S
Ø2.7	26mm	TI-1242.26-S	1242.26-S
Ø2.7	28mm	TI-1242.28-S	1242.28-S
Ø2.7	30mm	TI-1242.30-S	1242.30-S



1312-33 Implant Box with cover for 2.4mm AV-Wiselock Distal Radius System



2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Narrow

Left		Right		Shaft Hole	Head Hole	Width (mm)	Units
Stainless Steel	Titanium	Stainless Steel	Titanium				
546.002L	TI-546.002L	546.202R	TI-546.002R	2	6	19.5	1
546.003L	TI-546.003L	546.203R	TI-546.003R	3	6	19.5	1
546.004L	TI-546.004L	546.204R	TI-546.004R	4	6	19.5	1
546.005L	TI-546.005L	546.205R	TI-546.005R	5	6	19.5	1
546.006L	TI-546.006L	546.206R	TI-546.006R	6	6	19.5	1
546.007L	TI-546.007L	546.207R	TI-546.007R	7	6	19.5	1
546.008L	TI-546.008L	546.208R	TI-546.008R	8	6	19.5	1

Left		Right		Shaft Hole	Head Hole	Width (mm)	Units
Stainless Steel	Titanium	Stainless Steel	Titanium				
546.202L	TI-546.202L	546.202R	TI-546.202R	2	6	22	1
546.203L	TI-546.203L	546.203R	TI-546.203R	3	6	22	1
546.204L	TI-546.204L	546.204R	TI-546.204R	4	6	22	1
546.205L	TI-546.205L	546.205R	TI-546.205R	5	6	22	1
546.206L	TI-546.206L	546.206R	TI-546.206R	6	6	22	1
546.207L	TI-546.207L	546.207R	TI-546.207R	7	6	22	1
546.208L	TI-546.208L	546.208R	TI-546.208R	8	6	22	1

2.4mm AV-Wiselock Two-Column Volar Distal Radius Plate, Wide

Left		Right		Shaft Hole	Head Hole	Width (mm)	Units
Stainless Steel	Titanium	Stainless Steel	Titanium				
548.002L	TI-548.002L	548.002R	TI-548.002R	2	7	25.5	1
548.003L	TI-548.003L	548.003R	TI-548.003R	3	7	25.5	1
548.004L	TI-548.004L	548.004R	TI-548.004R	4	7	25.5	1
548.005L	TI-548.005L	548.005R	TI-548.005R	5	7	25.5	1
548.006L	TI-548.006L	548.006R	TI-548.006R	6	7	25.5	1
548.007L	TI-548.007L	548.007R	TI-548.007R	7	7	25.5	1
548.008L	TI-548.008L	548.008R	TI-548.008R	8	7	25.5	1

Aiming Block For AV-Wiselock Two-Column Volar Distal Radius Plate, Narrow 6 Head Holes, 19.5mm

Left				
Stainless Steel	Titanium	Head Hole	Width	Units
650-19.5L	TI-650-19.5L	6	19.5	2

Right				
Stainless Steel	Titanium	Head Hole	Width	Units
650-19.5R	TI-650-19.5R	6	19.5	2

Aiming Block For AV-Wiselock Two-Column Volar Distal Radius Plate, Wide 7 Head Holes, 25.5mm

Left				
Stainless Steel	Titanium	Head Hole	Width	Units
650-25.5L	TI-650-25.5L	7	25.5	2

Right				
Stainless Steel	Titanium	Head Hole	Width	Units
650-25.5R	TI-650-25.5R	7	25.5	2

Aiming Block For AV-Wiselock Two-Column Volar Distal Radius Plate, Standard 6 Head Holes, 22mm

Left				
Stainless Steel	Titanium	Head Hole	Width	Units
650-22L	TI-650-22L	6	22	2

Right				
Stainless Steel	Titanium	Head Hole	Width	Units
650-22R	TI-650-22R	6	22	2

Aiming Block Drill Sleeve

Stainless Steel	Titanium	Units
650-01	TI-650-01	2

Aiming Block Screw

Stainless Steel	Titanium	Units
650-02	TI-650-02	5

**2.4mm AV-Wiselock Screws,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
549.006	TI-549.006	6mm	6
549.008	TI-549.008	8mm	6
549.010	TI-549.010	10mm	6
549.012	TI-549.012	12mm	6
549.014	TI-549.014	14mm	6
549.016	TI-549.016	16mm	6
549.018	TI-549.018	18mm	6
549.020	TI-549.020	20mm	6
549.022	TI-549.022	22mm	6
549.024	TI-549.024	24mm	6
549.026	TI-549.026	26mm	6
549.028	TI-549.028	28mm	6
549.030	TI-549.030	30mm	6

**2.4mm Wise-Lock Screw,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
1145.06	TI-1145.06	6mm	6
1145.08	TI-1145.08	8mm	6
1145.10	TI-1145.10	10mm	6
1145.12	TI-1145.12	12mm	6
1145.14	TI-1145.14	14mm	6
1145.16	TI-1145.16	16mm	6
1145.18	TI-1145.18	18mm	6
1145.20	TI-1145.20	20mm	6
1145.22	TI-1145.22	22mm	6
1145.24	TI-1145.24	24mm	6
1145.26	TI-1145.26	26mm	6
1145.28	TI-1145.28	28mm	6
1145.30	TI-1145.30	30mm	6

**2.4mm Cortical Screws,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
1144.06	TI-1144.06	6mm	3
1144.08	TI-1144.08	8mm	3
1144.10	TI-1144.10	10mm	3
1144.12	TI-1144.12	12mm	3
1144.14	TI-1144.14	14mm	3
1144.16	TI-1144.16	16mm	3
1144.18	TI-1144.18	18mm	3
1144.20	TI-1144.20	20mm	3
1144.22	TI-1144.22	22mm	3
1144.24	TI-1144.24	24mm	3
1144.26	TI-1144.26	26mm	3
1144.28	TI-1144.28	28mm	3
1144.30	TI-1144.30	30mm	3

**2.7mm Cortical Screws,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
1242.06	TI-1242.06	6mm	3
1242.08	TI-1242.08	8mm	3
1242.10	TI-1242.10	10mm	3
1242.12	TI-1242.12	12mm	3
1242.14	TI-1242.14	14mm	3
1242.16	TI-1242.16	16mm	3
1242.18	TI-1242.18	18mm	3
1242.20	TI-1242.20	20mm	3
1242.22	TI-1242.22	22mm	3
1242.24	TI-1242.24	24mm	3
1242.26	TI-1242.26	26mm	3
1242.28	TI-1242.28	28mm	3
1242.30	TI-1242.30	30mm	3

10-050 : Implant Box with cover for 2.4mm AV-Wiselock Volar Rim Distal Radius System



2.4mm AV-Wiselock Volar Rim Distal Radius Plate

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
560-06-03L	TI-560-06-03L	560-06-03R	TI-560-06-03R	3	6	1
560-06-04L	TI-560-06-04L	560-06-04R	TI-560-06-04R	4	6	1
560-06-05L	TI-560-06-05L	560-06-05R	TI-560-06-05R	5	6	1
560-06-06L	TI-560-06-06L	560-06-06R	TI-560-06-06R	6	6	1
560-06-07L	TI-560-06-07L	560-06-07R	TI-560-06-07R	7	6	1
560-06-08L	TI-560-06-08L	560-06-08R	TI-560-06-08R	8	6	1

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
560-07-03L	TI-560-07-03L	560-07-03R	TI-560-07-03R	3	7	1
560-07-04L	TI-560-07-04L	560-07-04R	TI-560-07-04R	4	7	1
560-07-05L	TI-560-07-05L	560-07-05R	TI-560-07-05R	5	7	1
560-07-06L	TI-560-07-06L	560-07-06R	TI-560-07-06R	6	7	1
560-07-07L	TI-560-07-07L	560-07-07R	TI-560-07-07R	7	7	1
560-07-08L	TI-560-07-08L	560-07-08R	TI-560-07-08R	8	7	1

Aiming Block For AV-Wiselock Volar Rim Distal Radius Plate, 6 Head Hole

Left			
Stainless Steel	Titanium	Head Hole	Units
651-06L	TI-651-06L	6	2

Right			
Stainless Steel	Titanium	Head Hole	Units
651-06R	TI-651-06R	6	2

Aiming Block For AV-Wiselock Volar Rim Distal Radius Plate, 7 Head Hole

Left			
Stainless Steel	Titanium	Head Hole	Units
651-07L	TI-651-07L	7	2

Right			
Stainless Steel	Titanium	Head Hole	Units
651-07R	TI-651-07R	7	2

Aiming Block Drill Sleeve

Stainless Steel	Titanium	Units
650-01	TI-650-01	2

Aiming Block Screw

Stainless Steel	Titanium	Units
650-02	TI-650-02	5

**2.4mm AV-Wiselock Screws,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
549.006	TI-549.006	6mm	6
549.008	TI-549.008	8mm	6
549.010	TI-549.010	10mm	6
549.012	TI-549.012	12mm	6
549.014	TI-549.014	14mm	6
549.016	TI-549.016	16mm	6
549.018	TI-549.018	18mm	6
549.020	TI-549.020	20mm	6
549.022	TI-549.022	22mm	6
549.024	TI-549.024	24mm	6
549.026	TI-549.026	26mm	6
549.028	TI-549.028	28mm	6
549.030	TI-549.030	30mm	6

**2.4mm Wise-Lock Screw,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
1145.06	TI-1145.06	6mm	6
1145.08	TI-1145.08	8mm	6
1145.10	TI-1145.10	10mm	6
1145.12	TI-1145.12	12mm	6
1145.14	TI-1145.14	14mm	6
1145.16	TI-1145.16	16mm	6
1145.18	TI-1145.18	18mm	6
1145.20	TI-1145.20	20mm	6
1145.22	TI-1145.22	22mm	6
1145.24	TI-1145.24	24mm	6
1145.26	TI-1145.26	26mm	6
1145.28	TI-1145.28	28mm	6
1145.30	TI-1145.30	30mm	6

**2.4mm Cortical Screws,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
1144.06	TI-1144.06	6mm	3
1144.08	TI-1144.08	8mm	3
1144.10	TI-1144.10	10mm	3
1144.12	TI-1144.12	12mm	3
1144.14	TI-1144.14	14mm	3
1144.16	TI-1144.16	16mm	3
1144.18	TI-1144.18	18mm	3
1144.20	TI-1144.20	20mm	3
1144.22	TI-1144.22	22mm	3
1144.24	TI-1144.24	24mm	3
1144.26	TI-1144.26	26mm	3
1144.28	TI-1144.28	28mm	3
1144.30	TI-1144.30	30mm	3

**2.7mm Cortical Screws,
Self-Tapping, (Star Head)**

Stainless Steel	Titanium	Length	Units
1242.06	TI-1242.06	6mm	3
1242.08	TI-1242.08	8mm	3
1242.10	TI-1242.10	10mm	3
1242.12	TI-1242.12	12mm	3
1242.14	TI-1242.14	14mm	3
1242.16	TI-1242.16	16mm	3
1242.18	TI-1242.18	18mm	3
1242.20	TI-1242.20	20mm	3
1242.22	TI-1242.22	22mm	3
1242.24	TI-1242.24	24mm	3
1242.26	TI-1242.26	26mm	3
1242.28	TI-1242.28	28mm	3
1242.30	TI-1242.30	30mm	3

1312-01

Depth Gauge measuring upto 60mm



1312-02

T-Handle With Quick Coupling



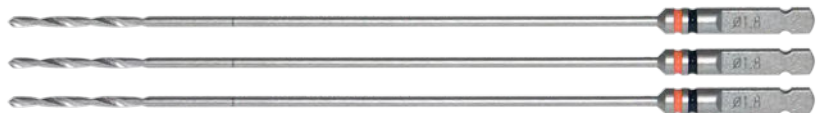
1312-03-15

Retractor, 15mm



1312-04-1.8

Drill Bit with Quick Coupling End, Ø1.8mm x Length 140mm



1312-05-2.0

Drill Bit with Quick Coupling End, Ø2.0mm x Length 140mm



1312-06-2.4

Drill Bit with Quick Coupling End, Ø2.4mm x Length 140mm



1312-07-2.7 Drill Bit with Quick Coupling End, Ø2.7mm x Length 140mm



1312-08-1.2 Guide Wire, Ø1.2mm x Length 150mm



1312-09-1.2 Guide Wire With Threaded Tip, Ø1.2mm x Thread Length 5mm x Length 150mm



1312-10-2.4 Tap, HA 2.4mm



1312-11-2.7 Tap, HA 2.7mm



1312-13-1.8 Threaded Drill Sleeve, Ø1.8/2.4mm (Double Start Thread)



1312-15 Self-Centering Double Drill Guide $\Phi 1.8/2.4\text{mm}$



1312-16 Self-Centering Double Drill Guide $\Phi 2.0/2.7\text{mm}$



1312-17 Depth Gauge with Protector measuring upto 50mm



1312-18 Star Screwdriver Shaft, T8



1312-21 Torque Limiting Attachment, 0.8Nm



7-019-03 Handle for Torque Limiting Attachment



1312-22-6.5

Retractor, 6.5mm



1312-23

Double Periosteal Elevator, Round



1312-24

Double Periosteal Elevator, Flat



1312-25

Reduction Forcep with Points, Small



1312-26

Reduction Forcep with Points, Large



1312-27

Reduction Forcep with Points, Serrated



1312-28

Bending Forcep



1312-30

Universal AV-Wiselock Drill Guide, Ø1.8mm



1312-20-2.7

Screw Holding Sleeve for 2.7mm Cortical Screw



1312-20-2.4

Screw Holding Sleeve for 2.4mm Cortical Screw



1312-30-2.4

Screw Holding Sleeve for 2.4mm Wise-lock Screw



1312-22

Quick Coupling Handle



1312-29

Sharp Hook



1312-31

Screwdriver Star Head



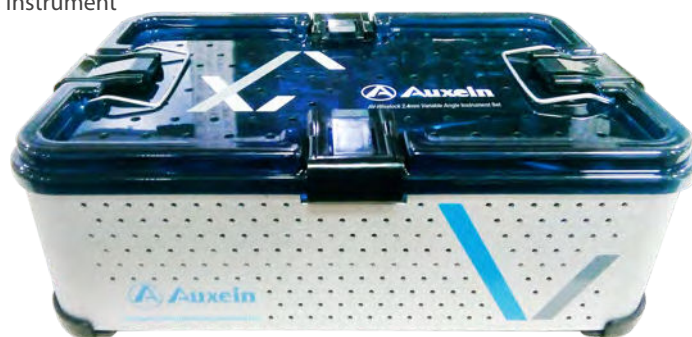
1312-35

Instrument trays for 2.4mm AV-Wiselock Distal Radius Instrument Set



1312-34

Container for 2.4mm AV-Wiselock Distal Radius Instrument



1312-000 2.4mm AV-Wiselock Distal Radius Instrument Set



Please choose any one implant box as per requirement

10-050 Implant Box with cover for 2.4mm AV-Wiselock Volar Rim Distal Radius System



1312-33 Implant Box with cover for 2.4mm AV-Wiselock Distal Radius system



Code	Set Consisting of	Units
1312-01	Depth Gauge measuring upto 60mm	1
1312-02	T-Handle With Quick Coupling	1
1312-03-15	Retractor, 15mm	1
1312-04-1.8	Drill Bit with Quick Coupling End, Ø1.8mm x Length 140mm	3
1312-05-2.0	Drill Bit with Quick Coupling End, Ø2.0mm x Length 140mm	2
1312-06-2.4	Drill Bit with Quick Coupling End, Ø2.4mm x Length 140mm	1
1312-07-2.7	Drill Bit with Quick Coupling End, Ø2.7mm x Length 140mm	1
1312-08-1.2	Guide Wire, Ø1.2mm x Length 150mm	5
1312-09-1.2	Guide Wire With Threaded Tip, Ø1.2mm x Thread Length 5mm x Length 150mm	2
1312-10-2.4	Tap, HA 2.4mm	1
1312-11-2.7	Tap, HA 2.7mm	1
1312-13-1.8	Threaded Drill Sleeve, Ø1.8/2.4mm (Double Start Thread)	3
1312-15	Self-Centering Double Drill Guide Ø1.8/2.4mm	1
1312-16	Self-Centering Double Drill Guide Ø2.0/2.7mm	1
1312-17	Depth Gauge with Protector measuring upto 50mm	1
1312-18	Star Screwdriver Shaft, T8	2
1312-21	Torque Limiting Attachment, 0.8Nm	1
7-019-03	Handle for Torque Limiting Attachment	1
1312-22-6.5	Retractor, 6.5mm	1
1312-23	Double Periosteal Elevator, Round	1
1312-24	Double Periosteal Elevator, Flat	1
1312-25	Reduction Forcep with Points, Small	1
1312-26	Reduction Forcep with Points, Large	1
1312-27	Reduction Forcep with Points, Serrated	1
1312-28	Bending Forcep	2
1312-30	Universal AV-Wiselock Drill Guide, Ø1.8mm	1
1312-20-2.7	Screw Holding Sleeve for 2.7mm Cortical Screw	1
1312-20-2.4	Screw Holding Sleeve for 2.4mm Cortical Screw	1
1312-30-2.4	Screw Holding Sleeve for 2.4mm Wise-lock Screw	1
1312-22	Quick Coupling Handle	1
1312-29	Sharp Hook	1
1312-31	Screwdriver Star Head	1
1312-35	Instrument trays for 2.4mm AV-Wiselock Distal Radius Instrument Set	2
1312-34	Container for 2.4mm AV-Wiselock Distal Radius Instrument	1

Please choose any one implant box as per requirement

1312-33	Implant Box with cover for 2.4mm AV-Wiselock Distal Radius system	1
10-050	Implant Box with cover for 2.4mm AV-Wiselock Volar Rim Distal Radius System	1



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