Auxein®

Surgical Technique

Distal Radius System

www.auxein.com

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.

DAIS
Division of Auxein Institute for Surgeons

Organised by: Auxein

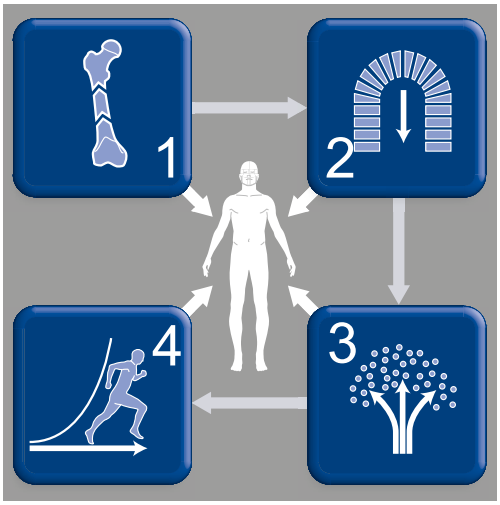
Contents

INTRODUCTION

AUXEIN MEDICAL'S Variable Angle 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 and Humerus bone and its surrounding tissues. Variable Angle System plates are having fixed angle and variable angle 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-articulatory fractures treatment.

AO PRINCIPLES

Anatomic reduction
Fracture reduction and fixation to restore anatomical relationships.



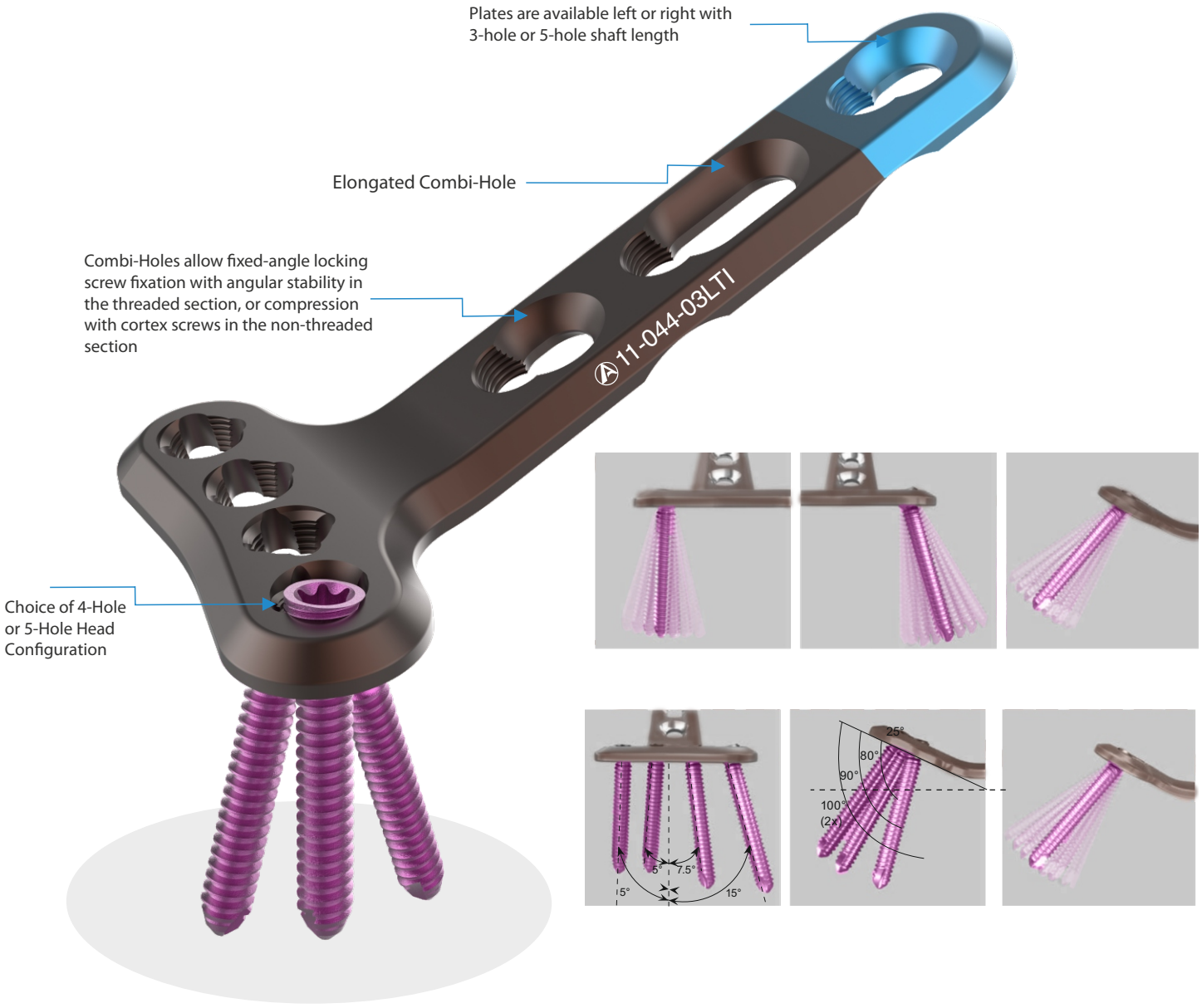
Stable fixation
Fracture fixation providing absolute or relative stability, as required by the patient, the injury, and the personality of the

Early, active mobilization
Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.

Preservation of blood supply
Preservation of the blood supply to soft tissue and bone by gently reduction technique and carefull handling.

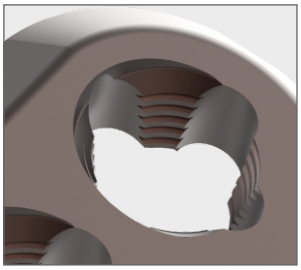
Plate Features

- The AV-Wiselock holes combined with variable angle locking screws allow up to 15° off-axis angulation in all directions.
- The variable angle locking screws offer a fixed-angle construct to support the articular surface
- Fixation can be achieved in osteoporotic bone
- Manufactured in stainless steel & titanium



Variable Angle Locking

- Screws can be angled anywhere within 30 cone around the central axis of the plate hole.(Figure 1)
- Four columns of threads in the Variable Angle locking hole provide four points of threaded locking between the Variable Angle Plate and the Variable Angle screw, forming a fixed-angle construct at the desired screw angle.(Figure 3)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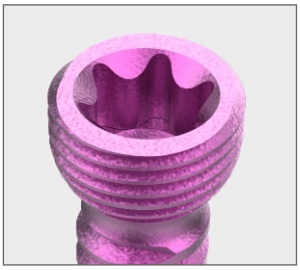
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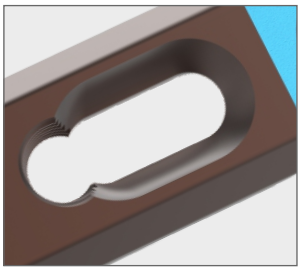
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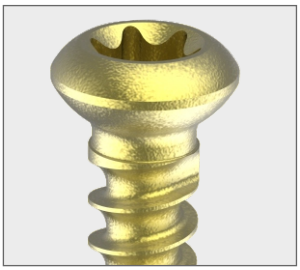
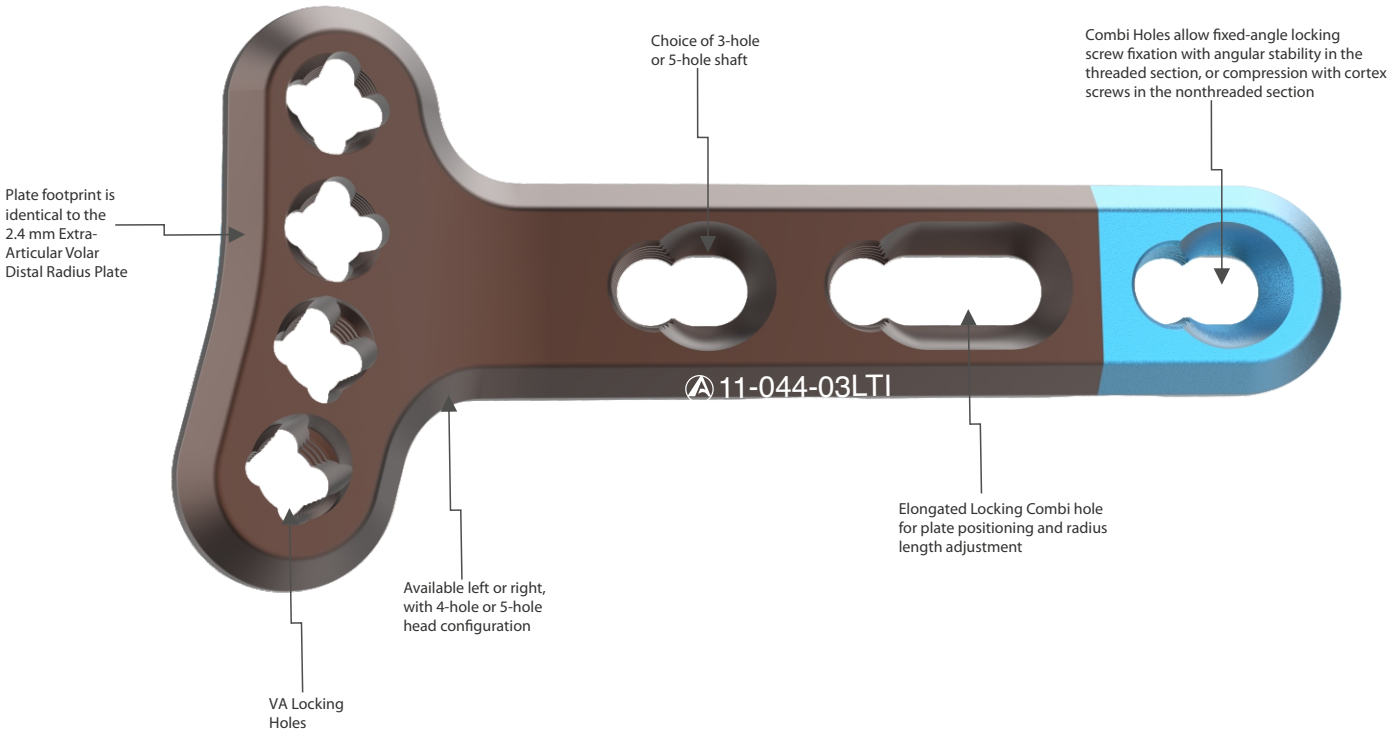


INDICATIONS

The 2.4mm Variable Angle 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

2.4mm Variable Angle Two-Column Volar Distal Radius Plate



1. Reduce Fracture and Position Plate.

Reduce the fracture. The reduction method will be fracture specific. Beginning with the elongated hole in the shaft of the plate, drill with the 1.8 mm drill bit using the Universal Drill Guide 2.4.

Insert a 2.4 mm Cortical screw in the elongated hole in the plate shaft. Adjust the plate position if necessary and tighten the screw.

The order of screw insertion in the shaft and metaphysis may vary depending on the fracture pattern and reduction technique.

Instrumentation:-

Codes	Names
1312-04-1.8	Drill Bit with Quick Coupling End, Ø1.8mm x Length 140mm
1312-22	Quick Coupling Handle
1312-18	Star Screwdriver Shaft, T8
1312-17	Depth Gauge with Protector measuring upto 50mm
1312-15	Self-Centering Double Drill Guide Φ1.8/2.4mm

Alternative

Codes	Names
1312-16	Self-Centering Double Drill Guide Φ2.0/2.7mm
1312-05-2.0	Drill Bit with Quick Coupling End, Ø2.0mm x Length 140mm
1312-01	Depth Gauge measuring upto 60mm

Alternatively, insert 2.7 mm Cortical screws into the shaft. Use the Universal Drill Guide 2.7 in the unthreaded part of the hole. Drill with the drill bit 2.0 mm.

Precaution: Reverse bending or use of the incorrect instrumentation for bending may weaken the plate and lead to premature plate failure (e.g. breakage). Do not bend the plate beyond what is required to match the anatomy

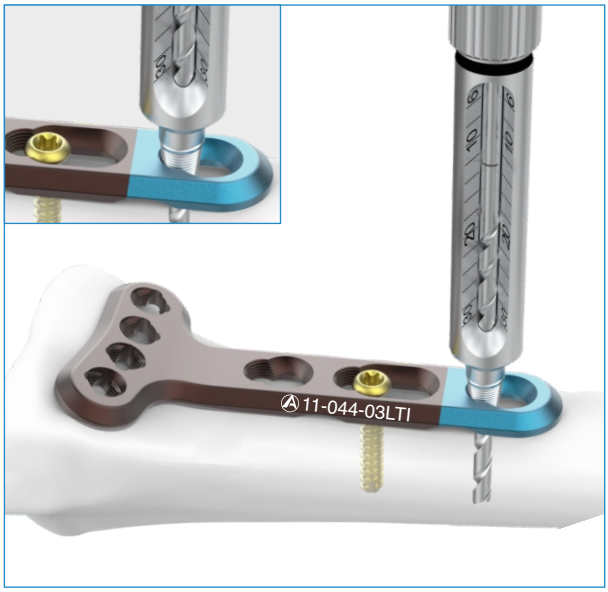
2. Insert Proximal Screw

Determine where 2.4 mm VA locking screws or 2.4 mm cortical screws will be used in the shaft of the plate. Insert these screws beginning with the most proximal screw.

For VA locking screws, carefully insert the threaded drill sleeve1.8/ 2.4 in line with the hole's axis until it is seated in the desired locking hole. Use the 1.8 mm drill bit.

Read the screw length directly from the laser mark on the drill bit, or use the corresponding depth gauge to determine the screw length. To insert the screw use the T8 screwdriver shaft in combination with the torque limiter 0.8 Nm

Precaution: Use of the Torque limiting attachment is mandatory when inserting locking screws into variable angle locking holes, to ensure the adequate torque is applied.



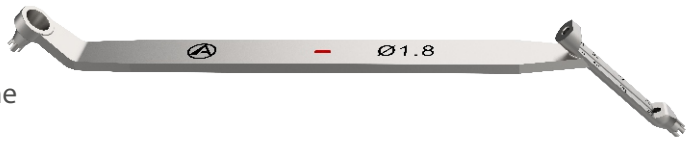
Instrumentation:-

Codes	Names
1312-04-1.8	Drill Bit with Quick Coupling End, Ø1.8mm x Length 140mm
1312-13-1.8	Threaded Drill Sleeve, Ø1.8/2.4mm (Double Start Thread)
1312-01	Depth Gauge measuring upto 60mm
1312-18	Star Screwdriver Shaft, T8
1312-21	Star Screwdriver Shaft, T8
7-019-03	Handle for Torque Limiting Attachment
1312-22	Quick Coupling Handle

Note: For dense bone, visually inspect if the screw is countersunk after tightening with the torque limiter. If required, carefully tighten without the torque limiter until the screw head is flush with the plate surface.

For 2.4 mm Cortical Screws use the Universal Drill Guide 2.4 and drill with the 1.8 mm drill bit. Measure the screw length with the corresponding depth gauge. Insert the screw with the T8 screwdriver shaft.

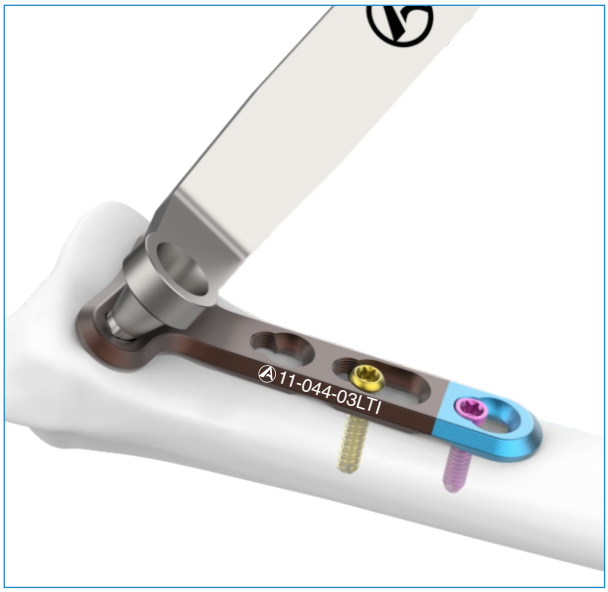
3. Insert AV-Wiselock Screw



The AV-Wiselock drill guide tip is inserted and keyed into the cloverleaf design of the AV-Wiselock hole.

Use the funnel-shaped end of the VA-LCP drill guide to drill variable angle holes at the desired angle.

Precaution: Do not use the threaded LCP drill sleeve in variable angle locking holes.



Instrumentation:-

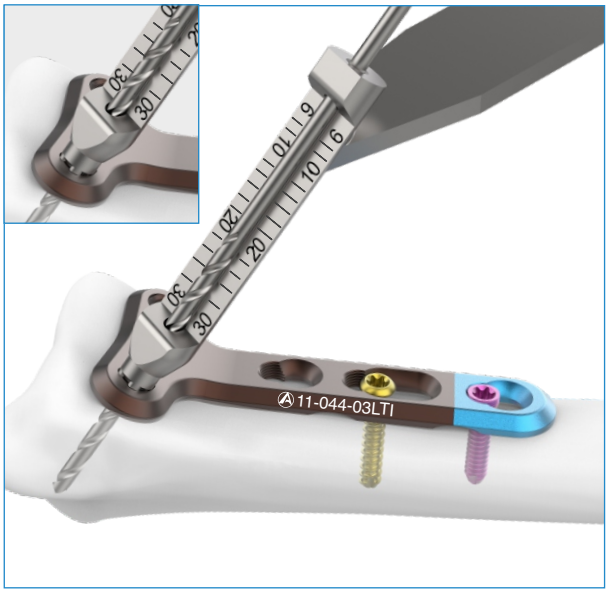
Codes	Names
1312-18	Star Screwdriver Shaft, T8
1312-04-1.8	Drill Bit with Quick Coupling End, Ø1.8mm x Length 140mm
1312-30	Universal Variable Angle Drill Guide, Ø1.8mm
1312-22	Quick Coupling Handle

4. Drilling for AV-Wiselock Screw

When the Universal Variable Angle Drill Guide, Ø1.8mm is engaged in the AV-Wiselock locking hole, use the 1.8 mm drill bit to drill to the desired depth at the desired angle.

The funnel of the drill guide allows the drill bit a total angle variation of 30°. Verify the drill bit angle under C-arm to ensure the desired angle has been achieved. If necessary, drill at a different angle and verify again under C-arm.Use the depth gauge for 2.0 mm and 2.4 mm screws to measure the correct screw length.

The fixed-angle end of the drill guide only allows the drill bit to follow the nominal trajectory of the locking hole.



5. Preliminary Screw Placement

Insert the AV-Wiselock Screw screws manually with the self retaining T8 Stardriver screwdriver shaft and Quick Coupling handle until just before the screw head is seated in the locking hole.

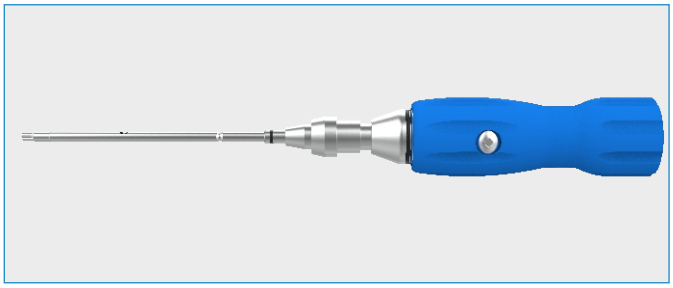
Do not over-tighten the screw so they can be easily removed if necessary.

Instrumentation:-

Codes	Names
1312-22	Quick Coupling Handle
1312-18	Star Screwdriver Shaft, T8

Optional Instrumentation:-

Codes	Names
1312-31	Screwdriver Star Head



6. Confirm Proper Joint Reconstruction

Confirm proper joint reconstruction, screw placement and screw length using multiple C-arm views.

Ensure that the distal screws are not in the joint using additional views such oblique view.

7. Locking of Variable Angle Screws in AV-Wiselock Screw Holes

Use the torque limiting attachment to perform the final locking step for the VA locking screws.

Precaution: Use of the torque limiter is mandatory when inserting locking screws into variable angle locking holes, to ensure the adequate torque is applied.

Note: For dense bone, visually inspect if the screw is coun tersunk after tightening with the torque limiter. If required, carefully tighten without the torque limiter until the screw head is flush with the plate surface

Instrumentation:-

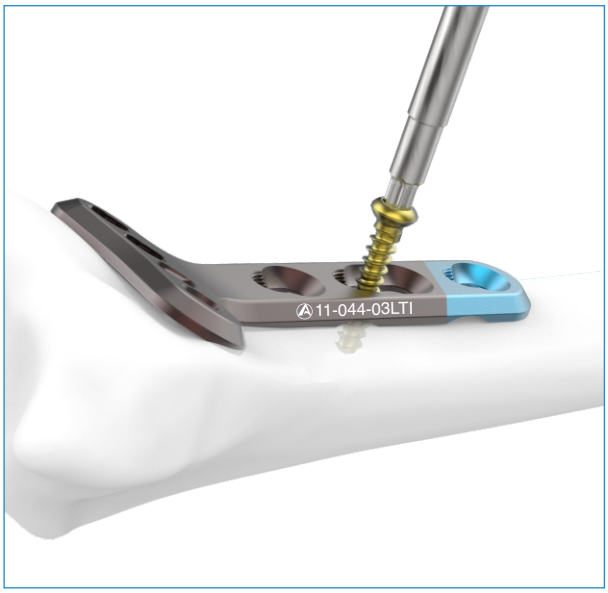
Codes	Names
1312-21	Torque Limiting Attachment, 0.8Nm
7-019-03	Handle for Torque Limiting Attachment
1312-18	Star Screwdriver Shaft, T8
1312-22	Quick Coupling Handle

Use the appropriate method for surgical closure of the incision. Closing of Incision

8. Implant Removal

To remove locking screws, first unlock all screws from the plate; then remove the screws completely from the bone.

This prevents rotation of the plate when removing the last locking screw.



2.4mm
Distal Radius System

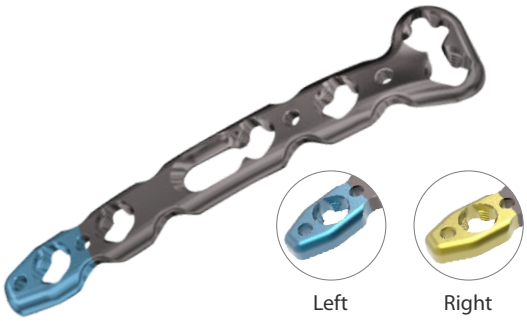
AV-Wiselock Dorsal System
AV-Wiselock Volar Extra-articular System
Variable Angle Volar Column System
Variable Angle Volar Rim System

2.4mm AV-Wiselock Dorsal Distal Radius Plate, Radial Column

Holes	Stainless Steel	Titanium
5	**11-045-05SS**	**11-045-05TI**
6	**11-045-06SS**	**11-045-06TI**

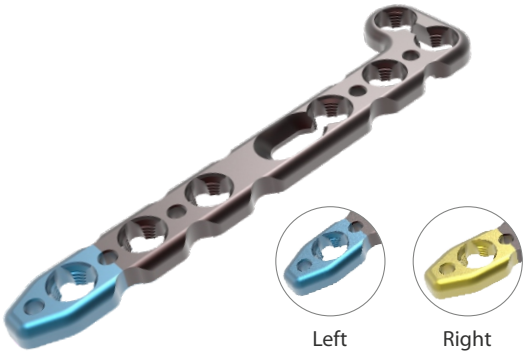
2.4mm AV-Wiselock Dorsal Distal Radius Plate, Intermediate Column, (2Head Holes)

	Left Direction		Right Direction	
Holes	Stainless Steel	Titanium	Stainless Steel	Titanium
3	**11-046-03LSS**	**11-046-03LTI**	**11-046-03RSS**	**11-046-03RTI**
4	**11-046-04LSS**	**11-046-04LTI**	**11-046-04RSS**	**11-046-04RTI**



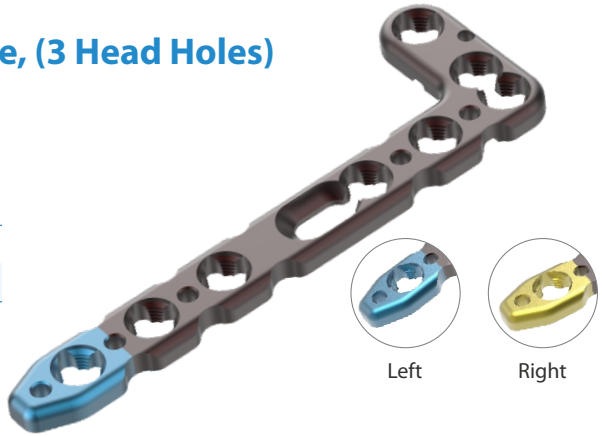
2.4mm AV-Wiselock "L" Dorsal Distal Radius Plate, (2Head Holes)

	Left Direction		Right Direction	
Holes	Stainless Steel	Titanium	Stainless Steel	Titanium
3	**11-047-03LSS**	**11-047-03LTI**	**11-047-03RSS**	**11-047-03RTI**
5	**11-047-05LSS**	**11-047-05LTI**	**11-047-05RSS**	**11-047-05RTI**



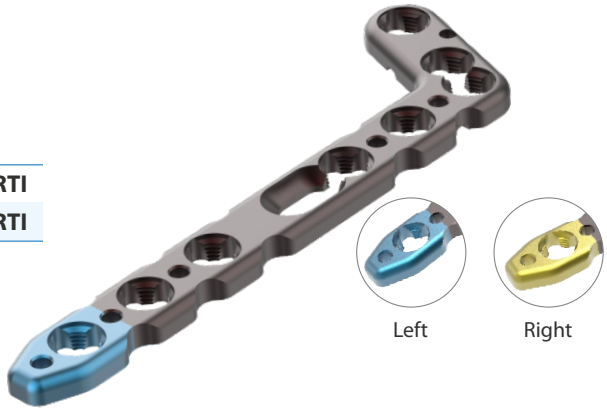
2.4mm AV-Wiselock "L" Dorsal Distal Radius Plate, (3 Head Holes)

	Left Direction		Right Direction	
Holes	Stainless Steel	Titanium	Stainless Steel	Titanium
3	**11-048-03LSS**	**11-048-03LTI**	**11-048-03RSS**	**11-048-03RTI**
5	**11-048-05LSS**	**11-048-05LTI**	**11-048-05RSS**	**11-048-05RTI**



2.4mm AV-Wiselock "L" Dorsal Distal Radius Plate, Oblique (3 Head Holes)

	Left Direction		Right Direction	
Holes	Stainless Steel	Titanium	Stainless Steel	Titanium
3	**11-049-03LSS**	**11-049-03LTI**	**11-049-03RSS**	**11-049-03RTI**
5	**11-049-05LSS**	**11-049-05LTI**	**11-049-05RSS**	**11-049-05RTI**



2.4mm AV-Wiselock "T" Dorsal Distal Radius Plate, (3 Head Holes)

Holes	Stainless Steel	Titanium
3	**11-050-03SS**	**11-050-03TI**
5	**11-050-05SS**	**11-050-05TI**

2.4mm AV-Wise Distal Radius Volar Plate, Extra-Articular, (5Head Holes)

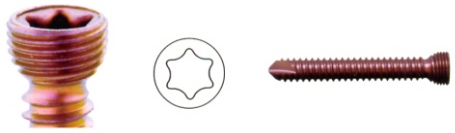
Stainless Steel	Titanium	Head Hole	Shaft Hole	Direction
11-043-03LSS	**11-043-03LTI**	5	3	Left
11-043-03RSS	**11-043-03RTI**	5	3	Right
11-043-05LSS	**11-043-05LTI**	5	5	Left
11-043-05RSS	**11-043-05RTI**	5	5	Right

2.4mm AV-Wise Distal Radius Volar Plate, Extra-Articular, (4 Head Holes)

Stainless Steel	Titanium	Head Hole	Shaft Hole	Direction
11-044-03LSS	**11-044-03LTI**	4	3	Left
11-044-03RSS	**11-044-03RTI**	4	3	Right
11-044-05LSS	**11-044-05LTI**	4	5	Left
11-044-05RSS	**11-044-05RTI**	4	5	Right

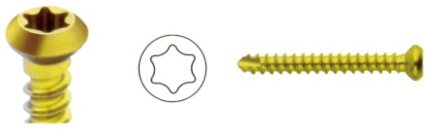
2.4mm Variable Angle Screws, Self-Tapping, (Star Head)

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



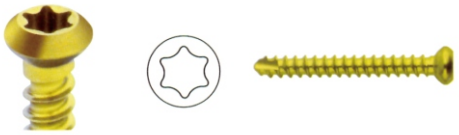
2.4mm Cortical Screws, Self-Tapping, (Star Head)

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



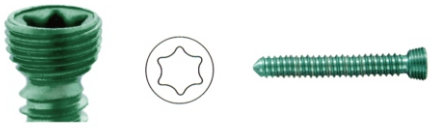
2.7mm Cortical Screws, Self-Tapping (Star Head)

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



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

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



2.4mm

Implant Box Composition

11-051 : Implant Box with cover for 2.4mm AV-Wiselock Distal Radius Dorsal and Extra-articular System

2.4mm AV-Wiselock Dorsal Distal Radius Plate, Radial Column

Stainless Steel	Titanium	Shaft Hole	Units
11-045-05SS	**11-045-05TI**	5	1
11-045-06SS	**11-045-06TI**	6	1

2.4mm AV-Wiselock Dorsal Distal Radius Plate, Intermediate Column, (2 Head Holes)

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-046-03LSS	**11-046-03LTI**	**11-046-03RSS**	**11-046-03RTI**	3	2	1
11-046-04LSS	**11-046-04LTI**	**11-046-04RSS**	**11-046-04RTI**	4	2	1

2.4mm AV-Wiselock "L" Dorsal Distal Radius Plate, (2 Head Holes)

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-047-03LSS	**11-047-03LTI**	**11-047-03RSS**	**11-047-03RTI**	3	3	1
11-047-05LSS	**11-047-05LTI**	**11-047-05RSS**	**11-047-05RTI**	5	3	1

2.4mm AV-Wiselock "L" Dorsal Distal Radius Plate, (3 Head Holes)

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-048-03LSS	**11-048-03LTI**	**11-048-03RSS**	**11-048-03RTI**	3	3	1
11-048-05LSS	**11-048-05LTI**	**11-048-05RSS**	**11-048-05RTI**	5	3	1

2.4mm AV-Wiselock "L" Dorsal Distal Radius Plate, Oblique (3 Head Holes)

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-049-03LSS	**11-049-03LTI**	**11-049-03RSS**	**11-049-03RTI**	3	3	1
11-049-05LSS	**11-049-05LTI**	**11-049-05RSS**	**11-049-05RTI**	5	3	1

2.4mm AV-Wiselock "T" Dorsal Distal Radius Plate, (3 Head Holes)

Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-050-03SS	**11-050-03TI**	3	3	1
11-050-05SS	**11-050-05TI**	5	3	1

2.4mm AV-Wiselock Distal Radius Volar Plate, Extra-articular (5 Head Holes)

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-043-03LSS	**11-043-03LTI**	**11-043-03RSS**	**11-043-03RTI**	3	5	1
11-043-05LSS	**11-043-05LTI**	**11-043-05RSS**	**11-043-05RTI**	5	5	1

2.4mm AV-Wiselock Distal Radius Volar Plate, Extra-articular (4 Head Holes)

Left		Right				
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Units
11-044-03LSS	**11-044-03LTI**	**11-044-03RSS**	**11-044-03RTI**	3	4	1
11-044-05LSS	**11-044-05LTI**	**11-044-05RSS**	**11-044-05RTI**	5	4	1

2.4mm Variable Angle 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

Implant Box with cover for 2.4mm AV-Wiselock Distal Radius Dorsal and Extra-articular System

Code	Units
11-051	1

1312-33 Implant Box with cover for 2.4mm Variable Angle Distal Radius System

2.4mm Variable Angle Two-Column Volar Distal Radius Plate, Narrow

Left		Right					
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Width (mm)	Units
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					
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Width (mm)	Units
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 Variable Angle Two-Column Volar Distal Radius Plate, Wide

Left		Right					
Stainless Steel	Titanium	Stainless Steel	Titanium	Shaft Hole	Head Hole	Width (mm)	Units
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 Variable Angle 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

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 For Variable Angle 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 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 Variable Angle 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

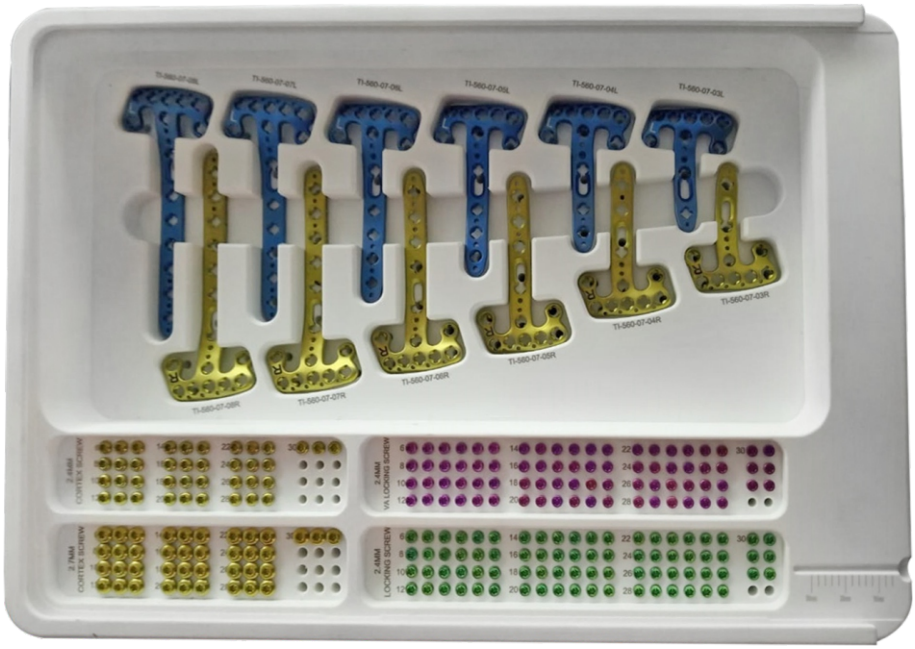
2.4mm Cortical Screws, Self-Tapping, (Star Head)

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 Variable Angle Volar Rim Distal Radius System



2.4mm Variable Angle 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 Variable Angle 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 Variable Angle 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 Variable Angle 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

Please choose any one implant box as per requirement

11-051 Implant Box with cover for 2.4mm AV-Wiselock Distal Radius Dorsal and Extra-articular System

10-050 Implant Box with cover for 2.4mm Variable Angle Volar Rim Distal Radius System

11-077 Implant Box with cover for 2.4mm AV-Wiselock Hand and Wrist - Arthrodesis System

1312-33 Implant Box with cover for 2.4mm Variable Angle Distal Radius system

1312-33	Implant Box with cover for 2.4mm Variable Angle Distal Radius system	1
10-050	Implant Box with cover for 2.4mm Variable Angle Volar Rim Distal Radius System	1
11-051	Implant Box with cover for 2.4mm AV-Wiselock Distal Radius Dorsal & Extra-Articular System	1
11-077	Implant Box with cover for 2.4mm AV-Wiselock Hand and Wrist - Arthrodesis System	1

2.4mm

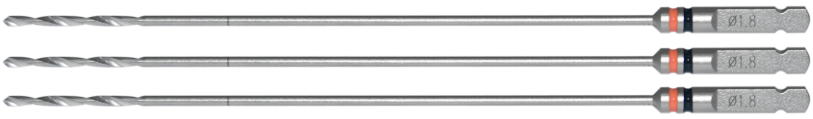
Instrumentation

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

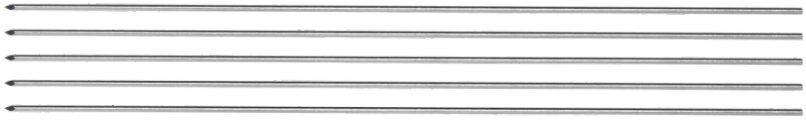


1312-05-2.0 Drill Bit with Quick Coupling End, Ø2.0mm x Length 140mm

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

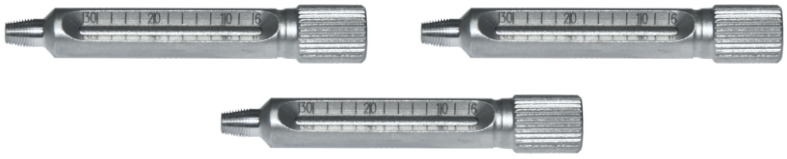


1312-09-1.2 Guide Wire With Threaded Tip, Ø1.2mm x Thread Length 5mm x Length 150mm

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)

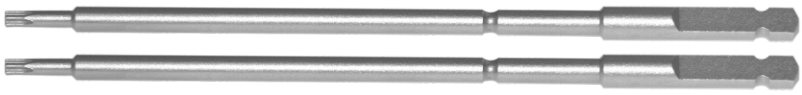


1312-15 Self-Centering Double Drill Guide Φ1.8/2.4mm

1312-16 Self-Centering Double Drill Guide Φ2.0/2.7mm

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 Variable Angle 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

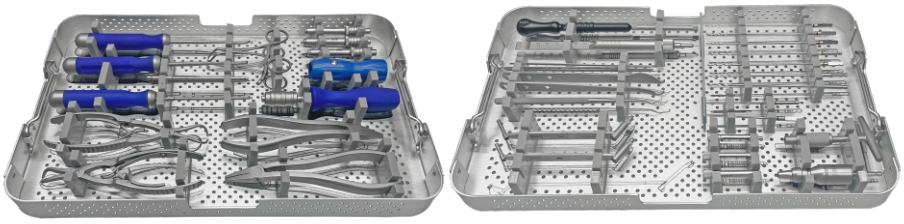
1312-30-2.4 Screw Holding Sleeve for 2.4mm Wise-lock Screw

1312-22 Quick Coupling Handle

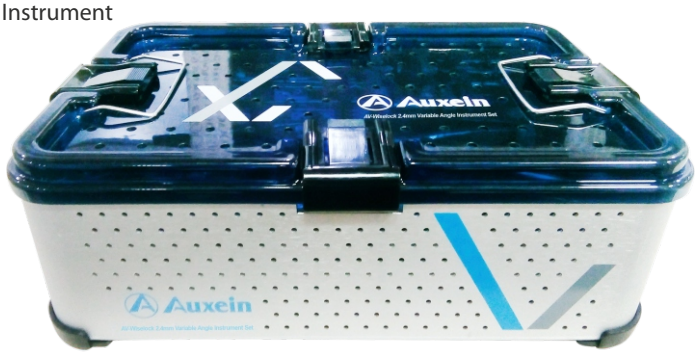
1312-29 Sharp Hook

1312-31 Screwdriver Star Head

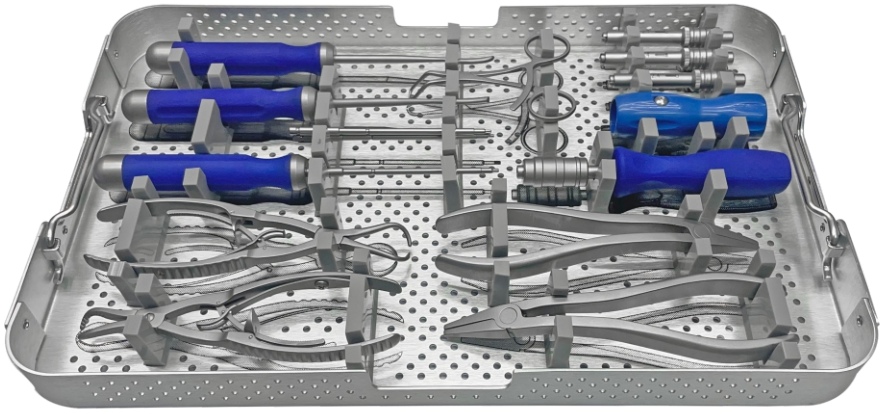
1312-35 Instrument trays for 2.4mm AV-Wiselock Distal Radius Instrument Set

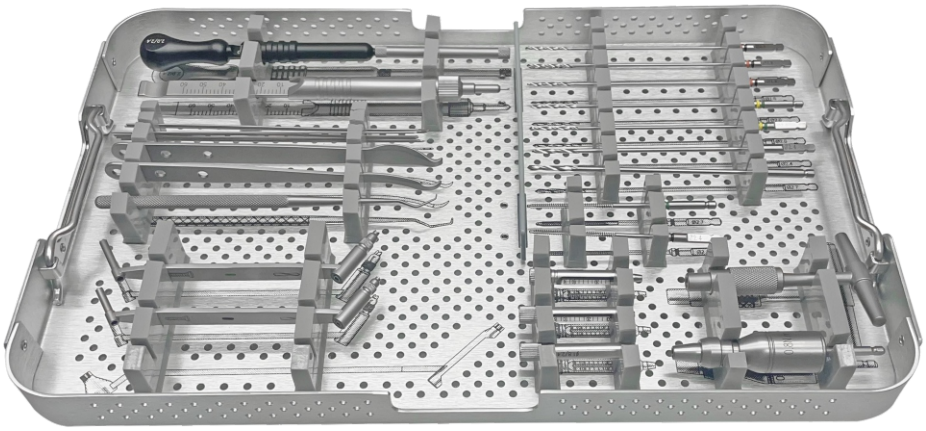


1312-34 Container for 2.4mm AV-Wiselock Distal Radius Instrument



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





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 Φ1.8/2.4mm	1
1312-16	Self-Centering Double Drill Guide Φ2.0/2.7mm	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 Variable Angle 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 Variable Angle Distal Radius system	1
10-050	Implant Box with cover for 2.4mm Variable Angle Volar Rim Distal Radius System	1
11-051	Implant Box with cover for 2.4mm AV-Wiselock Distal Radius Dorsal & Extra-Articular System	1
11-077	Implant Box with cover for 2.4mm AV-Wiselock Hand and Wrist - Arthrodesis System	1