

Surgical Technique

AV-WISELOCK PHEELOS - 3.5mm Small Fragment 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.



AV-WISELOCK

PHEELOS - 3.5mm Small Fragment System

FEATURES

- Proximal screw holes for AV-Wiselock screws Dia 3.5 mm enable an angular stable construct to enhance the grip in osteoporotic bone and multi-fragment fractures
- Carefully apply for osteoporotic bone
- Optimal screw placement
- Proximal holes for suturing to help maintain fracture reduction
- Distal Locking long holes for maximum adaptability

INDICATIONS

- Dislocated two, three and four fragment fractures of the proximal humerus, including fractures involving osteopenic bone
- Pseudarthroses in the proximal humerus
- Osteotomies in the proximal humerus

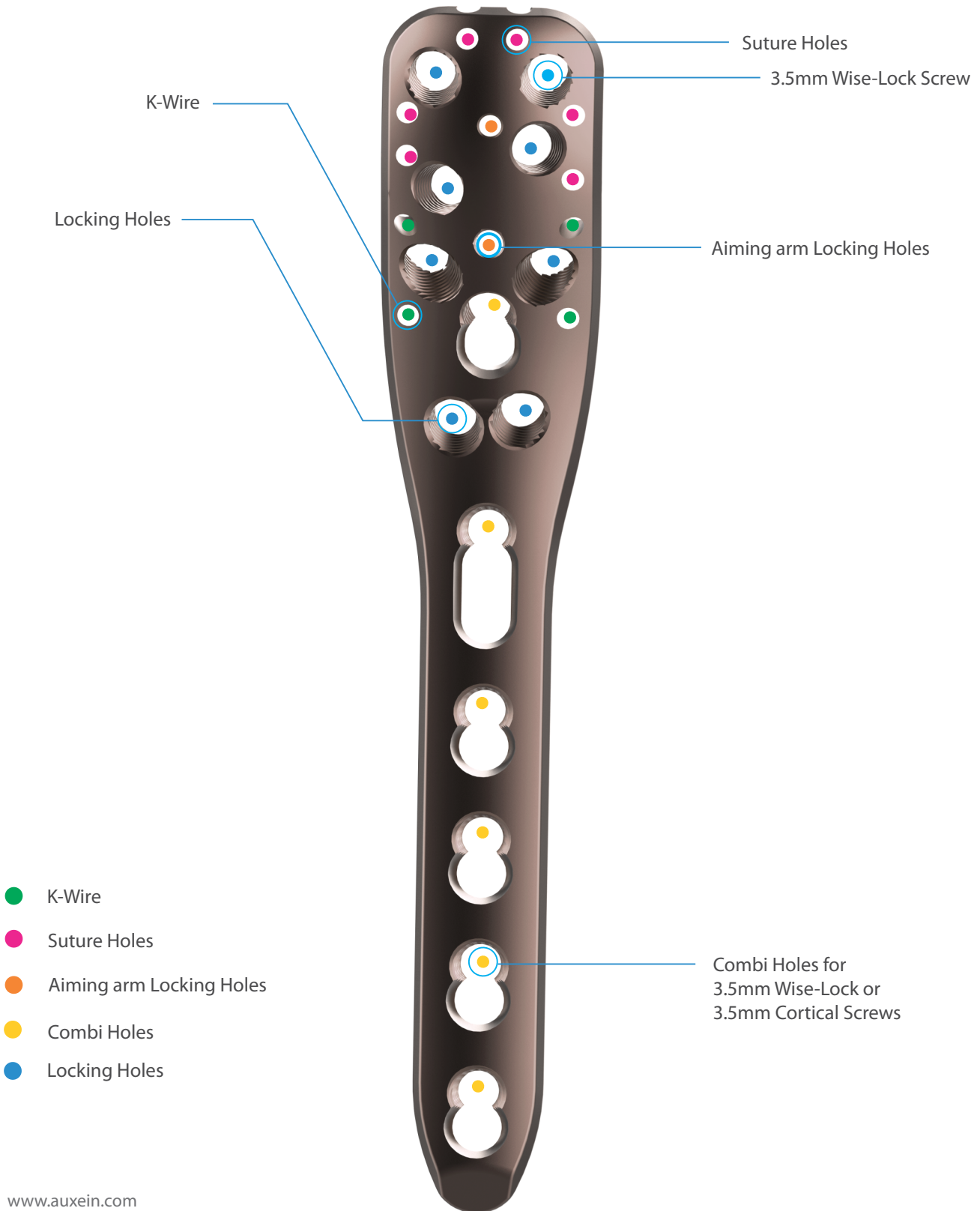


Plates Available in

Titanium as per ISO 5832-3 and Stainless Steel as per ISO 5832-1

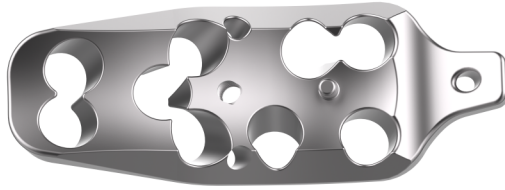
AV-WISELOCK

PHEELOS - 3.5mm Small Fragment System



Pheelos-Instrument

7-158-01 Pheelos Aiming Device with Nut for AV-Wiselock System



3300-02 Centering Sleeve, for Pheelos Aiming Device



7-158-02 Drill Sleeve, for Pheelos Aiming Device for AV-Wiselock System



3300-04 Centering Sleeve for Kirschner Wire Ø 1.6mm



3300-05 Pheelos Direct Measuring Device



451-1.6-150 Kirschner Wire with Trocar Tip Both End Ø1.6mm x Length 150mm



7-158 PHEELOS Instrument Set for AV-Wiselock System

Codes	Set consisting of:	Units
7-158-01	Pheelos Aiming Device with Nut for AV-Wiselock System	1
7-158-02	Drill Sleeve, for Pheelos Aiming Device for AV-Wiselock System	1
3300-02	Centering Sleeve, for Pheelos Aiming Device	1
3300-04	Centering Sleeve for Kirschner Wire Ø 1.6mm	1
3300-05	Pheelos Direct Measuring Device	1
451-1.6-150	Kirschner Wire with Trocar Tip Both End Ø1.6mm x Length 150mm	1

Plate features:

- Anatomically shaped
- Same plate for right or left humerus
- Locked construct in humeral head (levels A–E)
- Proximal locking holes accept 3.5 mm locking screws
- Distal holes accept 3.5 mm locking screws in the threaded portion, and 3.5 mm cortical screws, 4.0 mm cortical screws
- Ten suture holes around the perimeter of the proximal end Distal shaft of standard plate consists of three or five Combi holes, including one elongated hole to aid in plate positioning

Proximal locking holes

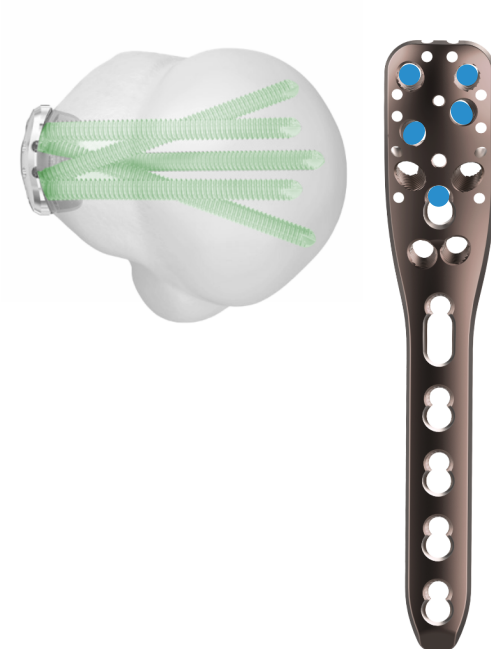
- Provide flexibility in screw placement, allowing different constructs
- Permit multiple points of fixation to support the humeral head

Note: For information on fixation principles using conventional and locked plating techniques, please refer to the Small Fragment Locking Compression Plate (LCP) System Technique Guide.

image 1 shows “diverging” screw pattern



image 2 shows “converging” screw pattern



 Locking Holes

2. Patient position:

A beach-chair position is recommended to provide easy access to the shoulder with imaging equipment.



3. Approach:

The standard surgical approach for internal fixation of proximal humerus fractures is the interval between the deltoid and pectoral muscles proximally.

The skin incision starts from the coracoid process and is slightly convex toward the medial side, extending distally as far as the insertion of the deltoid muscle on the lateral humeral shaft.

For long plates, the incision may be extended as an anterior approach to the humeral shaft, which proceeds distally between the biceps and the brachialis, and then down the anterolateral aspect of the arm to just above the elbow flexion crease.

During the dissection, care should be taken to avoid damaging the vasculature of the bone fragments. Care should also be taken to avoid ligation or coagulation of the anterior circumflex humeral artery. This can normally be assured by keeping all dissection lateral to the intertubercular groove.



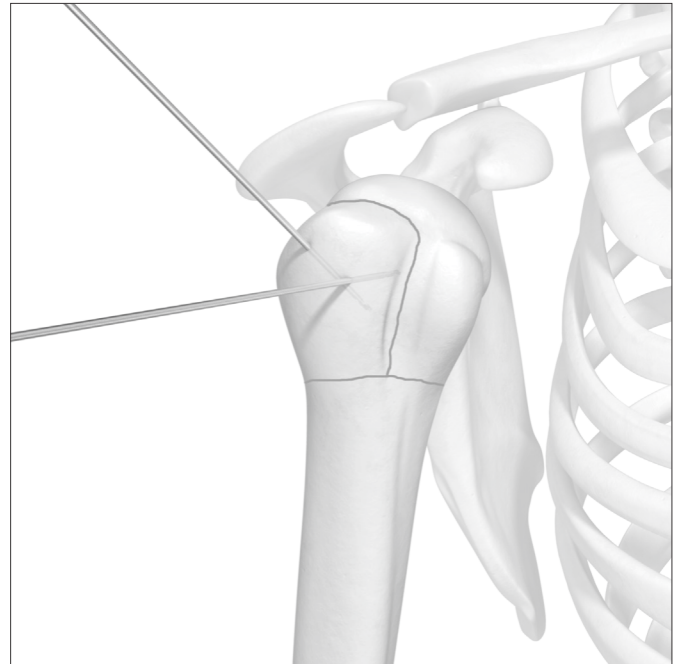
4. Reduce fracture

Instrument:

451-1.6-150 Kirschner Wire with Trocar Tip
Both End Ø1.6mm x Length 150mm

Reduce the fracture fragments and confirm the reduction under image intensification.

The humeral head and tuberosity fragments may be manipulated and provisionally fixed with sutures and/or Kirschner wires. However, Kirschner wires should be placed where they will not interfere with plate application.

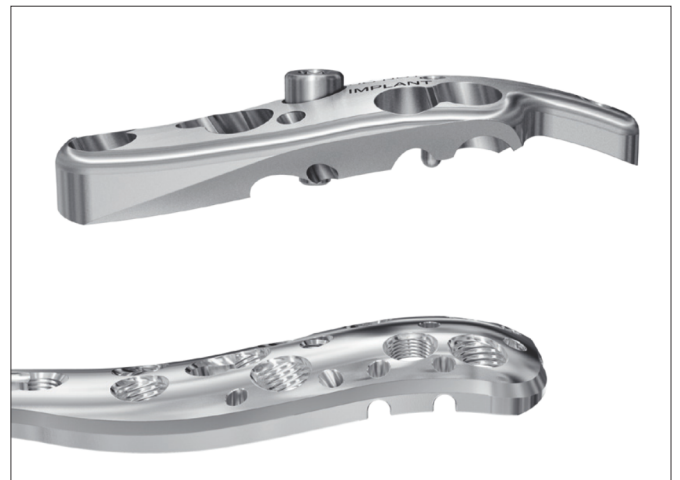


5. Attach insertion guide to plate:

Instrument:

7-158-01 Pheelos Aiming Device with Nut for AV-Wiselock System.

To facilitate insertion of the proximal locking screws, place the insertion guide against the plate and tighten the guide's attachment screw with the small hexagonal screwdriver, to lock the guide against the plate.



6. Position plate on bone

Instrument:

451-1.6-150 Kirschner Wire with Trocar Tip Both End
Ø1.6mm x Length 150mm.

3300-02 Centering Sleeve, for
Pheelos Aiming Device.

7-158-02 Drill Sleeve, for Pheelos Aiming Device
for AV-Wiselock System.

3300-04 Centering Sleeve for
Kirschner Wire Ø 1.6mm

Positioning from AP view

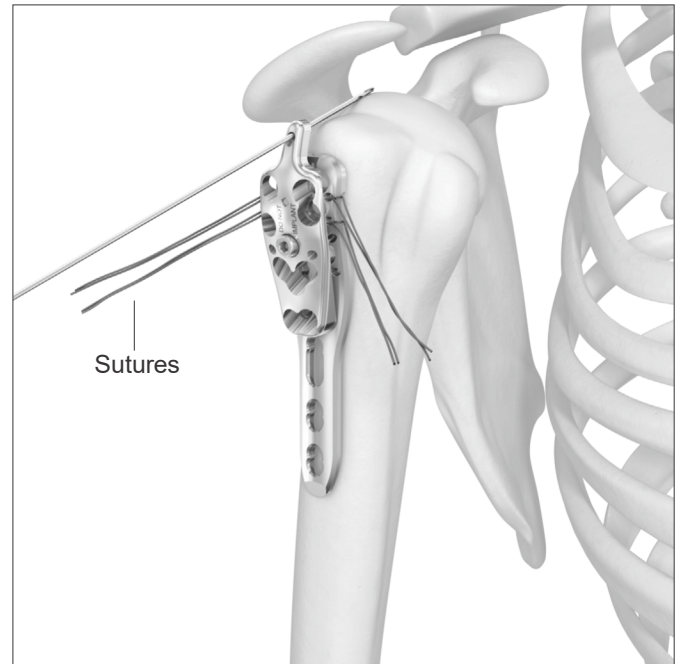
The plate should be placed approximately 8 mm distal to the rotator cuff attachment on the upper edge of the greater tuberosity.

Determine plate position by placing a 1.6 mm K-wire through the proximal guide hole of the insertion guide so that the K-wire rests on top of the humeral head and aims at the proximal joint surface.

Precaution: Placing the plate too high increases the risk of subacromial impingement. Placing the plate too low can prevent the optimal distribution of screws in the humeral head.

Warnings:

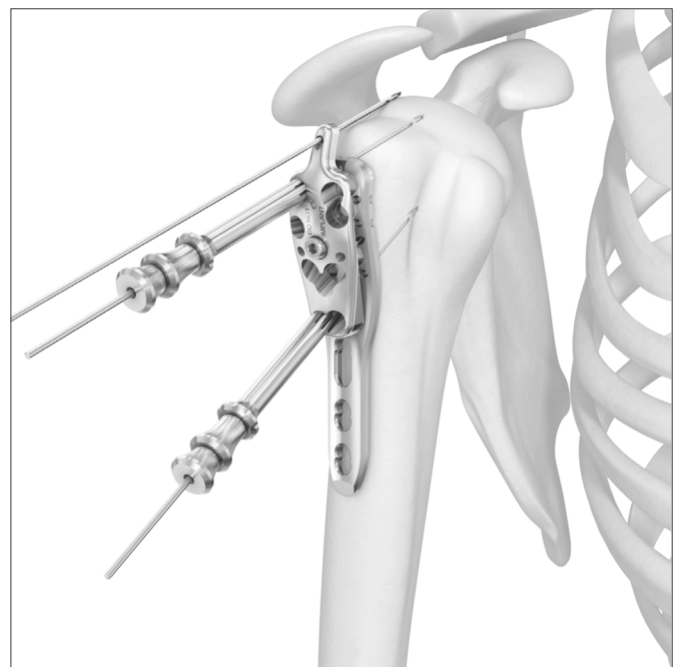
- Do not injure the axillary nerve. The axillary nerve can be palpated at the lower margin of the incision.
- To avoid damaging the axillary nerve, do not split the deltoid more than 4 cm distal to its origin.



Positioning from a lateral view

The plate should be centered against the lateral aspect of the greater tuberosity, ensuring that a sufficient gap is maintained between the plate and the long biceps tendon (to avoid interfering with arterial blood supply).

To check final placement of the plate, 1.6 mm K-wires and two sleeve assemblies can be used: one in the hole for the most proximal screw and one in the hole for the most distal screw to be placed in the humeral head. If possible, the distal K-wire should be positioned approximately 5 mm above the calcar.



Insertion of a proximal screw:

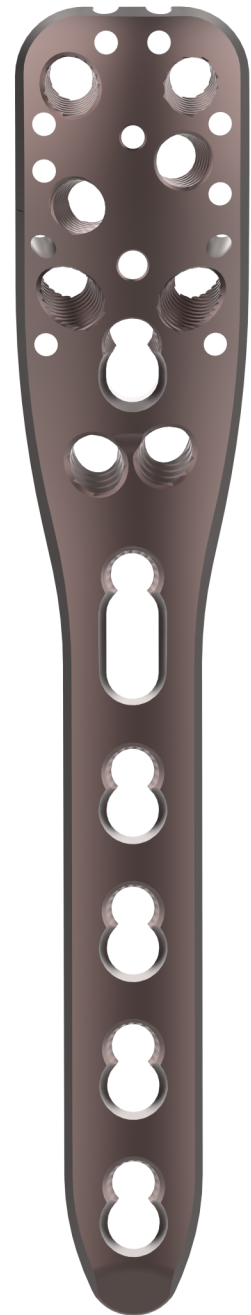
This technique permits fixation of the proximal fragments first and then fixation with or without compression distally.

It is necessary to control the height of the plate in the AP view under image intensification before insertion of the screws

Insertion of a distal screw:

This technique permits reduction of the distal shaft fragment against the plate and a final height adjustment prior to the insertion of the other screws in the shaft.

Insert a standard cortex screw into the compression portion of hole F (elongated hole) of the standard plate, or in any of the elongated holes of a long plate. After making a final height adjustment, insert proximal locking screws.



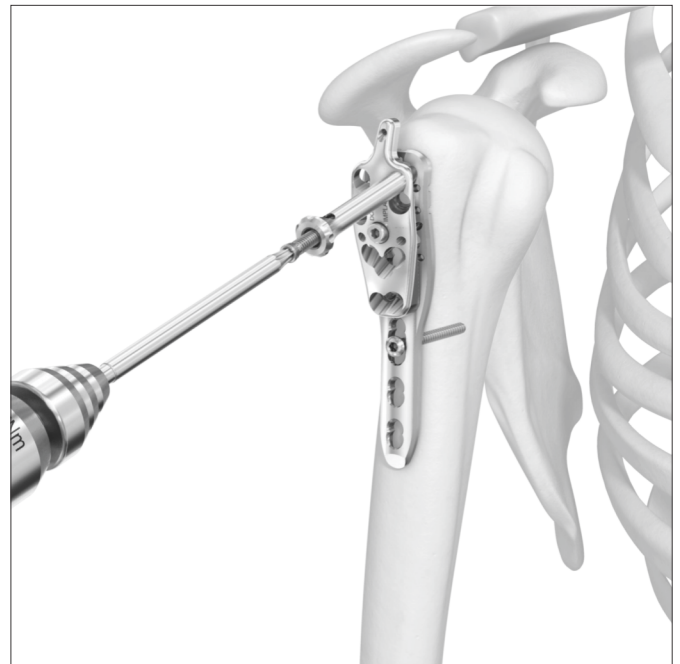
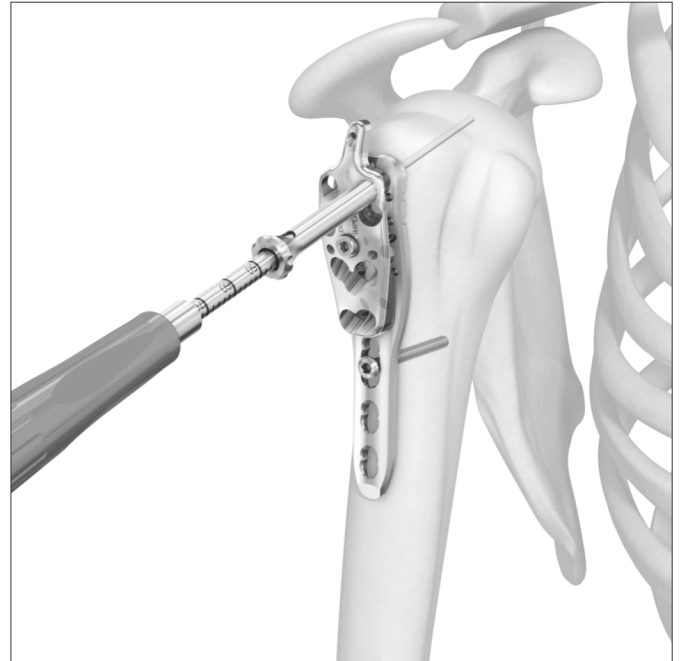
7. insert screw

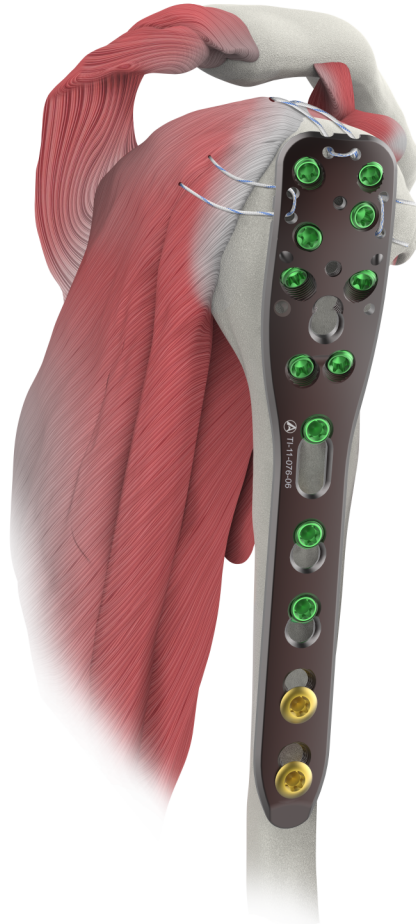
The following technique is recommended for measuring screw length in osteoporotic bone.

03.122.051	2.8 mm Drill Bit with stop, quick coupling
03.122.052	Depth Probe
03.122.053	Outer Sleeve for Insertion Guide
03.122.056	Insertion Guide with Nose
314.115	StarDrive Screwdriver, T15
314.116	StarDrive Screwdriver Shaft, T15
511.776	Torque Limiting Attachment

Insert the outer sleeve for insertion guide into the insertion guide with nose.

Predrill the lateral cortex using the 2.8 mm drill bit with stop.



PHEELOS - 3.5mm AV-Wiselock Proximal Humerus Plate With Suture Cuts

Short

Hole	Titanium	Stainless Steel
2	TI-11-075-02	11-075-02SS
3	TI-11-075-03	11-075-03SS
4	TI-11-075-04	11-075-04SS
5	TI-11-075-05	11-075-05SS

STERILE

Hole	Titanium	Stainless Steel
2	TI-11-075-02-S	11-075-02SS-S
3	TI-11-075-03-S	11-075-03SS-S
4	TI-11-075-04-S	11-075-04SS-S
5	TI-11-075-05-S	11-075-05SS-S


Long

Hole	Titanium	Stainless Steel
5	TI-11-076-05	11-076-05SS
6	TI-11-076-06	11-076-06SS
8	TI-11-076-08	11-076-08SS
10	TI-11-076-10	11-076-10SS
12	TI-11-076-12	11-076-12SS

STERILE

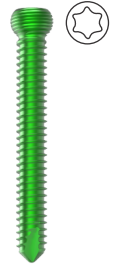
Hole	Titanium	Stainless Steel
5	TI-11-076-05-S	11-076-05SS-S
6	TI-11-076-06-S	11-076-06SS-S
8	TI-11-076-08-S	11-076-08SS-S
10	TI-11-076-10-S	11-076-10SS-S
12	TI-11-076-12-S	11-076-12SS-S

3.5mm AV-Wiselock Screw, Self-Tapping

STERILE

Dia	Length	Titanium	Stainless Steel
Ø3.5	10mm	11-024-010TI	11-024-010SS
Ø3.5	12mm	11-024-012TI	11-024-012SS
Ø3.5	14mm	11-024-014TI	11-024-014SS
Ø3.5	16mm	11-024-016TI	11-024-016SS
Ø3.5	18mm	11-024-018TI	11-024-018SS
Ø3.5	20mm	11-024-020TI	11-024-020SS
Ø3.5	22mm	11-024-022TI	11-024-022SS
Ø3.5	24mm	11-024-024TI	11-024-024SS
Ø3.5	26mm	11-024-026TI	11-024-026SS
Ø3.5	28mm	11-024-028TI	11-024-028SS
Ø3.5	30mm	11-024-030TI	11-024-030SS
Ø3.5	32mm	11-024-032TI	11-024-032SS
Ø3.5	34mm	11-024-034TI	11-024-034SS
Ø3.5	36mm	11-024-036TI	11-024-036SS
Ø3.5	38mm	11-024-038TI	11-024-038SS
Ø3.5	40mm	11-024-040TI	11-024-040SS
Ø3.5	42mm	11-024-042TI	11-024-042SS
Ø3.5	44mm	11-024-044TI	11-024-044SS
Ø3.5	46mm	11-024-046TI	11-024-046SS
Ø3.5	48mm	11-024-048TI	11-024-048SS
Ø3.5	50mm	11-024-050TI	11-024-050SS
Ø3.5	52mm	11-024-052TI	11-024-052SS
Ø3.5	54mm	11-024-054TI	11-024-054SS
Ø3.5	56mm	11-024-056TI	11-024-056SS
Ø3.5	58mm	11-024-058TI	11-024-058SS
Ø3.5	60mm	11-024-060TI	11-024-060SS
Ø3.5	65mm	11-024-065TI	11-024-065SS
Ø3.5	70mm	11-024-070TI	11-024-070SS
Ø3.5	75mm	11-024-075TI	11-024-075SS
Ø3.5	80mm	11-024-080TI	11-024-080SS
Ø3.5	85mm	11-024-085TI	11-024-085SS
Ø3.5	90mm	11-024-090TI	11-024-090SS
Ø3.5	95mm	11-024-095TI	11-024-095SS

Dia	Length	Titanium	Stainless Steel
Ø3.5	10mm	11-024-010TI-S	11-024-010SS-S
Ø3.5	12mm	11-024-012TI-S	11-024-012SS-S
Ø3.5	14mm	11-024-014TI-S	11-024-014SS-S
Ø3.5	16mm	11-024-016TI-S	11-024-016SS-S
Ø3.5	18mm	11-024-018TI-S	11-024-018SS-S
Ø3.5	20mm	11-024-020TI-S	11-024-020SS-S
Ø3.5	22mm	11-024-022TI-S	11-024-022SS-S
Ø3.5	24mm	11-024-024TI-S	11-024-024SS-S
Ø3.5	26mm	11-024-026TI-S	11-024-026SS-S
Ø3.5	28mm	11-024-028TI-S	11-024-028SS-S
Ø3.5	30mm	11-024-030TI-S	11-024-030SS-S
Ø3.5	32mm	11-024-032TI-S	11-024-032SS-S
Ø3.5	34mm	11-024-034TI-S	11-024-034SS-S
Ø3.5	36mm	11-024-036TI-S	11-024-036SS-S
Ø3.5	38mm	11-024-038TI-S	11-024-038SS-S
Ø3.5	40mm	11-024-040TI-S	11-024-040SS-S
Ø3.5	42mm	11-024-042TI-S	11-024-042SS-S
Ø3.5	44mm	11-024-044TI-S	11-024-044SS-S
Ø3.5	46mm	11-024-046TI-S	11-024-046SS-S
Ø3.5	48mm	11-024-048TI-S	11-024-048SS-S
Ø3.5	50mm	11-024-050TI-S	11-024-050SS-S
Ø3.5	52mm	11-024-052TI-S	11-024-052SS-S
Ø3.5	54mm	11-024-054TI-S	11-024-054SS-S
Ø3.5	56mm	11-024-056TI-S	11-024-056SS-S
Ø3.5	58mm	11-024-058TI-S	11-024-058SS-S
Ø3.5	60mm	11-024-060TI-S	11-024-060SS-S
Ø3.5	65mm	11-024-065TI-S	11-024-065SS-S
Ø3.5	70mm	11-024-070TI-S	11-024-070SS-S
Ø3.5	75mm	11-024-075TI-S	11-024-075SS-S
Ø3.5	80mm	11-024-080TI-S	11-024-080SS-S
Ø3.5	85mm	11-024-085TI-S	11-024-085SS-S
Ø3.5	90mm	11-024-090TI-S	11-024-090SS-S
Ø3.5	95mm	11-024-095TI-S	11-024-095SS-S

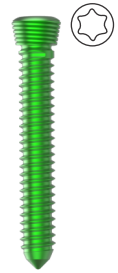


3.5mm Wise-Lock Screw, Self Tapping, (Star Head)

STERILE

Dia	Length	Titanium	Stainless Steel
Ø3.5	10mm	TI-1473-010	1473-010
Ø3.5	12mm	TI-1473-012	1473-012
Ø3.5	14mm	TI-1473-014	1473-014
Ø3.5	16mm	TI-1473-016	1473-016
Ø3.5	18mm	TI-1473-018	1473-018
Ø3.5	20mm	TI-1473-020	1473-020
Ø3.5	22mm	TI-1473-022	1473-022
Ø3.5	24mm	TI-1473-024	1473-024
Ø3.5	26mm	TI-1473-026	1473-026
Ø3.5	28mm	TI-1473-028	1473-028
Ø3.5	30mm	TI-1473-030	1473-030
Ø3.5	32mm	TI-1473-032	1473-032
Ø3.5	34mm	TI-1473-034	1473-034
Ø3.5	36mm	TI-1473-036	1473-036
Ø3.5	38mm	TI-1473-038	1473-038
Ø3.5	40mm	TI-1473-040	1473-040
Ø3.5	42mm	TI-1473-042	1473-042
Ø3.5	44mm	TI-1473-044	1473-044
Ø3.5	46mm	TI-1473-046	1473-046
Ø3.5	48mm	TI-1473-048	1473-048
Ø3.5	50mm	TI-1473-050	1473-050
Ø3.5	52mm	TI-1473-052	1473-052
Ø3.5	54mm	TI-1473-054	1473-054
Ø3.5	56mm	TI-1473-056	1473-056
Ø3.5	58mm	TI-1473-058	1473-058
Ø3.5	60mm	TI-1473-060	1473-060
Ø3.5	65mm	TI-1473-065	1473-065
Ø3.5	70mm	TI-1473-070	1473-070
Ø3.5	75mm	TI-1473-075	1473-075
Ø3.5	80mm	TI-1473-080	1473-080
Ø3.5	85mm	TI-1473-085	1473-085
Ø3.5	90mm	TI-1473-090	1473-090
Ø3.5	95mm	TI-1473-095	1473-095

Dia	Length	Titanium	Stainless Steel
Ø3.5	10mm	TI-1473-010-S	1473-010-S
Ø3.5	12mm	TI-1473-012-S	1473-012-S
Ø3.5	14mm	TI-1473-014-S	1473-014-S
Ø3.5	16mm	TI-1473-016-S	1473-016-S
Ø3.5	18mm	TI-1473-018-S	1473-018-S
Ø3.5	20mm	TI-1473-020-S	1473-020-S
Ø3.5	22mm	TI-1473-022-S	1473-022-S
Ø3.5	24mm	TI-1473-024-S	1473-024-S
Ø3.5	26mm	TI-1473-026-S	1473-026-S
Ø3.5	28mm	TI-1473-028-S	1473-028-S
Ø3.5	30mm	TI-1473-030-S	1473-030-S
Ø3.5	32mm	TI-1473-032-S	1473-032-S
Ø3.5	34mm	TI-1473-034-S	1473-034-S
Ø3.5	36mm	TI-1473-036-S	1473-036-S
Ø3.5	38mm	TI-1473-038-S	1473-038-S
Ø3.5	40mm	TI-1473-040-S	1473-040-S
Ø3.5	42mm	TI-1473-042-S	1473-042-S
Ø3.5	44mm	TI-1473-044-S	1473-044-S
Ø3.5	46mm	TI-1473-046-S	1473-046-S
Ø3.5	48mm	TI-1473-048-S	1473-048-S
Ø3.5	50mm	TI-1473-050-S	1473-050-S
Ø3.5	52mm	TI-1473-052-S	1473-052-S
Ø3.5	54mm	TI-1473-054-S	1473-054-S
Ø3.5	56mm	TI-1473-056-S	1473-056-S
Ø3.5	58mm	TI-1473-058-S	1473-058-S
Ø3.5	60mm	TI-1473-060-S	1473-060-S
Ø3.5	65mm	TI-1473-065-S	1473-065-S
Ø3.5	70mm	TI-1473-070-S	1473-070-S
Ø3.5	75mm	TI-1473-075-S	1473-075-S
Ø3.5	80mm	TI-1473-080-S	1473-080-S
Ø3.5	85mm	TI-1473-085-S	1473-085-S
Ø3.5	90mm	TI-1473-090-S	1473-090-S
Ø3.5	95mm	TI-1473-095-S	1473-095-S

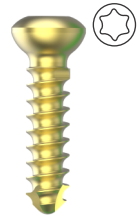


3.5mm Cortical Screw, Self Tapping, (Star Head)

STERILE

Dia	Length	Titanium	Stainless Steel
Ø3.5	10mm	11-002-010TI	11-002-010SS
Ø3.5	12mm	11-002-012TI	11-002-012SS
Ø3.5	14mm	11-002-014TI	11-002-014SS
Ø3.5	16mm	11-002-016TI	11-002-016SS
Ø3.5	18mm	11-002-018TI	11-002-018SS
Ø3.5	20mm	11-002-020TI	11-002-020SS
Ø3.5	22mm	11-002-022TI	11-002-022SS
Ø3.5	24mm	11-002-024TI	11-002-024SS
Ø3.5	26mm	11-002-026TI	11-002-026SS
Ø3.5	28mm	11-002-028TI	11-002-028SS
Ø3.5	30mm	11-002-030TI	11-002-030SS
Ø3.5	32mm	11-002-032TI	11-002-032SS
Ø3.5	34mm	11-002-034TI	11-002-034SS
Ø3.5	36mm	11-002-036TI	11-002-036SS
Ø3.5	38mm	11-002-038TI	11-002-038SS
Ø3.5	40mm	11-002-040TI	11-002-040SS
Ø3.5	42mm	11-002-042TI	11-002-042SS
Ø3.5	44mm	11-002-044TI	11-002-044SS
Ø3.5	46mm	11-002-046TI	11-002-046SS
Ø3.5	48mm	11-002-048TI	11-002-048SS
Ø3.5	50mm	11-002-050TI	11-002-050SS
Ø3.5	55mm	11-002-055TI	11-002-055SS
Ø3.5	60mm	11-002-060TI	11-002-060SS
Ø3.5	65mm	11-002-065TI	11-002-065SS
Ø3.5	70mm	11-002-070TI	11-002-070SS
Ø3.5	75mm	11-002-075TI	11-002-075SS
Ø3.5	80mm	11-002-080TI	11-002-080SS
Ø3.5	85mm	11-002-085TI	11-002-085SS
Ø3.5	90mm	11-002-090TI	11-002-090SS
Ø3.5	95mm	11-002-095TI	11-002-095SS

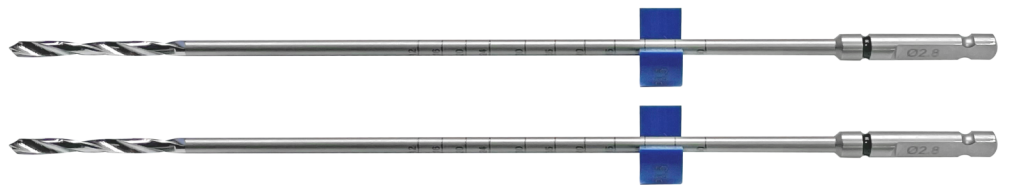
Dia	Length	Titanium	Stainless Steel
Ø3.5	10mm	11-002-010TI-S	11-002-010SS-S
Ø3.5	12mm	11-002-012TI-S	11-002-012SS-S
Ø3.5	14mm	11-002-014TI-S	11-002-014SS-S
Ø3.5	16mm	11-002-016TI-S	11-002-016SS-S
Ø3.5	18mm	11-002-018TI-S	11-002-018SS-S
Ø3.5	20mm	11-002-020TI-S	11-002-020SS-S
Ø3.5	22mm	11-002-022TI-S	11-002-022SS-S
Ø3.5	24mm	11-002-024TI-S	11-002-024SS-S
Ø3.5	26mm	11-002-026TI-S	11-002-026SS-S
Ø3.5	28mm	11-002-028TI-S	11-002-028SS-S
Ø3.5	30mm	11-002-030TI-S	11-002-030SS-S
Ø3.5	32mm	11-002-032TI-S	11-002-032SS-S
Ø3.5	34mm	11-002-034TI-S	11-002-034SS-S
Ø3.5	36mm	11-002-036TI-S	11-002-036SS-S
Ø3.5	38mm	11-002-038TI-S	11-002-038SS-S
Ø3.5	40mm	11-002-040TI-S	11-002-040SS-S
Ø3.5	42mm	11-002-042TI-S	11-002-042SS-S
Ø3.5	44mm	11-002-044TI-S	11-002-044SS-S
Ø3.5	46mm	11-002-046TI-S	11-002-046SS-S
Ø3.5	48mm	11-002-048TI-S	11-002-048SS-S
Ø3.5	50mm	11-002-050TI-S	11-002-050SS-S
Ø3.5	55mm	11-002-055TI-S	11-002-055SS-S
Ø3.5	60mm	11-002-060TI-S	11-002-060SS-S
Ø3.5	65mm	11-002-065TI-S	11-002-065SS-S
Ø3.5	70mm	11-002-070TI-S	11-002-070SS-S
Ø3.5	75mm	11-002-075TI-S	11-002-075SS-S
Ø3.5	80mm	11-002-080TI-S	11-002-080SS-S
Ø3.5	85mm	11-002-085TI-S	11-002-085SS-S
Ø3.5	90mm	11-002-090TI-S	11-002-090SS-S
Ø3.5	95mm	11-002-095TI-S	11-002-095SS-S



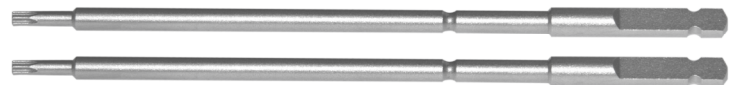
7-012-01 Conical Extraction Screw, Ø3.5mm, for 2.7/3.5mm AV-Wiselock System



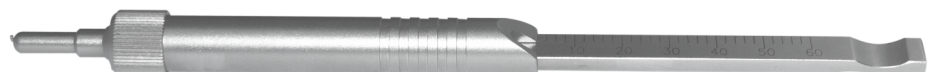
7-012-02 Drill Bit with Quick Coupling with Stopper, Ø2.8mm x Length 165mm, for 2.7/3.5mm AV-Wiselock System



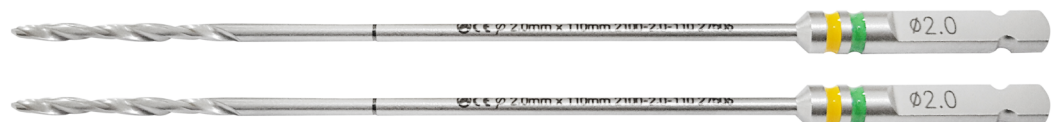
7-012-03 Star Screwdriver Shaft, T8, for 2.7/3.5mm AV-Wiselock System



7-012-04 Depth Gauge measuring up to 60mm for 2.7/3.5mm AV-Wiselock System



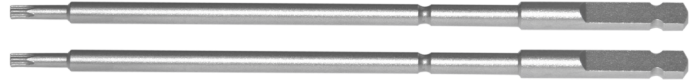
7-012-05 Drill Bit with Quick Coupling, Ø2.0mm x Length 140mm, for 2.7/3.5mm AV-Wiselock System



7-012-06 Bone Tap Quick Coupling for Cortical Screws, Ø3.5mm, for 2.7/3.5mm AV-Wiselock System



7-012-07 Screwdriver Shaft, T15, for 2.7/3.5mm AV-Wislock System



7-012-08 Threaded Drill Sleeve for Ø2.8mm Drill Bit - 2.7/3.5mm AV-Wislock System



7-012-09 Self-Centering Double Drill Guide, Ø2.5/3.5mm, for 2.7/3.5mm AV-Wislock System



7-012-10 Torque Limiting Attachment, 1.2Nm, for 2.7/3.5mm AV-Wislock System



7-012-11 Torque Limiting Attachment, 1.5Nm, for 2.7/3.5mm AV-Wislock System



7-012-12 Drill Bit with Quick Coupling End, Ø2.5mm x Length 180mm - 2.7/3.5mm AV-Wislock System



Instrument

7-012-13 Drill Bit with Quick Coupling End, Ø3.5mm x Length 110mm - 2.7/3.5mm AV-Wiselock System



7-012-14 2.0mm Variable Angle Guide for 2.7/3.5mm AV-Wiselock System



7-012-15 Self-Centering Double Drill Guide, Ø2.0/2.7mm, for 2.7/3.5mm AV-Wiselock System



7-012-16 2.8mm Variable Angle Double Drill Guide



7-012-17 Handle with Quick Coupling for 2.7/3.5mm AV-Wiselock System



7-012-18 Handle for Torque Limiting Attachment, for 2.7/3.5mm AV-Wiselock System



Instrument

7-012-19 2.5Nm Torque Limiting Handle for 2.7/3.5mm AV-Wiselock System



7-012-20 Depth Gauge measuring upto 100mm, for 2.7/3.5mm AV-Wiselock System



7-012-21 Percutaneous Depth Gauge Adaptor for 3.5mm Screws - 2.7/3.5mm AV-Wiselock System



7-012-22 Kirschner Wire with One Sided Trocar Tip Ø1.6mm x Length 150mm



7-012-23 Periarticular Reduction Forcep, Small, for 2.7/3.5mm AV-Wiselock System



7-012-24 Periarticular Reduction Forcep, Medium, for 2.7/3.5mm AV-Wiselock System



Instrument

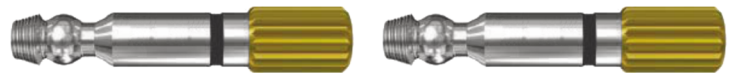
7-012-25 Large Compression Forcep with Speed Lock for 2.7/3.5mm AV-Wiselock System



7-012-26 Large Distraction Forcep with Speed Lock for 2.7/3.5mm AV-Wiselock System



7-012-27 3.5mm Post for AV-Wiselock Locking Hole



7-012-28 2.8mm Compression Wire, 10mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-29 2.8mm Compression Wire, 15mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-30 2.8mm Compression Wire, 20mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-31 2.8mm Compression Wire, 25mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-32 2.8mm Compression Wire, 30mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-33 2.8mm Compression Wire, 35mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-34 2.8mm Compression Wire, 40mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-35 2.8mm Compression Wire, 45mm Thread for 2.7/3.5mm AV-Wiselock System



7-012-36 2.8mm Compression Wire, 50mm Thread for 2.7/3.5mm AV-Wiselock System



Instrument

7-012-37 2.8mm Compression Wire, 55mm Thread for 2.7/3.5mm AV-Wislock System



7-012-38 2.8mm Compression Wire, 60mm Thread for 2.7/3.5mm AV-Wislock System



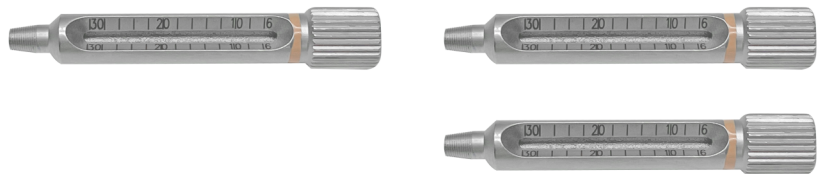
7-012-39 Guide Wire, Ø2.0mm x Length 150mm



7-012-40 Guide Wire with Threaded Tip, Ø2.0mm x Thread Length 10mm x Length 150mm



7-012-41 Threaded Drill Sleeve for Drill Bit 2.0mm - 2.7/3.5mm AV-Wislock System



7-012-42 Tap, HA 2.7mm for 2.7/3.5mm AV-Wislock System



Instrument

7-012-43 Screwdriver Star Head, T8, for 2.7/3.5mm AV-Wislock System



7-012-44 T-Handle with Quick Coupling for 2.7/3.5mm AV-Wislock System



7-012-45 Self-Centering Bone Holding Forcep, Speed Lock, 190mm for 2.7/3.5mm AV-Wislock System



7-012-46 Reduction Forcep, Serrated Jaws, Speed Lock, 160mm for 2.7/3.5mm AV-Wislock System

7-012-47 Reduction Forcep, Pointed, Ratchet Lock, 180mm for 2.7/3.5mm AV-Wislock System

7-012-48 Bending Iron 1 for 2.7/3.5mm AV-Wislock System



7-012-49 Bending Iron 2 for 2.7/3.5mm AV-Wiselock System



7-012-50 Ø1.2mm Kirschner Wire for 2.7/3.5mm AV-Wiselock System



7-012-51 Hohmann Retractor, 6.5mm for 2.7/3.5mm AV-Wiselock System



7-012-52 Hohmann Retractor, 8.5mm for 2.7/3.5mm AV-Wiselock System



7-012-53 Hohmann Retractor, 15.5mm for 2.7/3.5mm AV-Wiselock System



7-012-54 Periosteal Elevator with Silicon Handle, Curved, 6mm for 2.7/3.5mm AV-Wiselock System



Instrument

7-012-55 Screw Holding Forcep for 2.7/3.5mm AV-Wiselock System



7-012-56 Countersink for 2.7/3.5mm AV-Wiselock System



7-012-57 Screw Holding Sleeve for 2.7mm Cortical Screw



7-012-60 Screw Holding Sleeve for 2.7mm Locking Screw



7-012-61 Screw Holding Sleeve for 3.5mm Cortical Screw

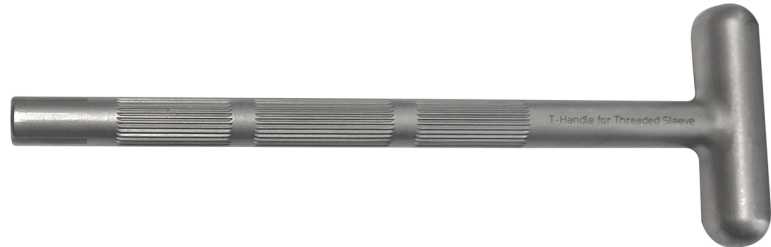


7-012-62 Screw Holding Sleeve for 3.5mm Locking Screw

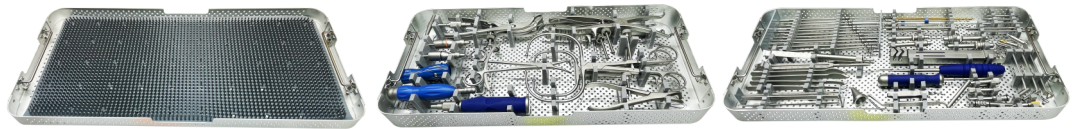


7-050-05

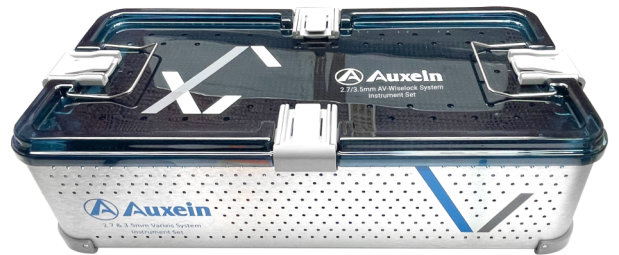
T- Handle for Threaded Drill Sleeve

**7-012-58**

Instrument Trays for 2.7/3.5mm AV-Wiselock System

**7-012-59**

Container for 2.7/3.5mm AV-Wiselock System Instrument Set



7-012: 2.7/3.5mm AV-Wislock System Instrument Set

7-012 : 2.7/3.5mm AV-Wiselock System Instrument Set

Code	Set Consisting of	Units
7-012-01	Conical Extraction Screw, Ø3.5mm, for 2.7/3.5mm AV-Wiselock System	1
7-012-02	Drill Bit with Quick Coupling with Stopper, Ø2.8mm x Length 165mm, for 2.7/3.5m AV-Wiselock System	2
7-012-03	Star Screwdriver Shaft, T8, for 2.7/3.5mm AV-Wiselock System	2
7-012-04	Depth Gauge measuring upto 60mm for 2.7/3.5mm AV-Wiselock System	1
7-012-05	Drill Bit with Quick Coupling, Ø2.0mm x Length 140mm , for 2.7/3.5mm AV-Wiselock System	2
7-012-06	Bone Tap Quick Coupling for Cortical Screws, Ø3.5mm, for 2.7/3.5mm AV-Wiselock System	1
7-012-07	Screwdriver Shaft, T15, for 2.7/3.5mm AV-Wiselock System	2
7-012-08	Threaded Drill Sleeve for Ø2.8mm Drill Bit - 2.7/3.5mm AV-Wiselock System	3
7-012-09	Self-Centering Double Drill Guide, Ø2.5/3.5mm, for 2.7/3.5mm AV-Wiselock System	1
7-012-10	Torque Limiting Attachment, 1.2Nm, for 2.7/3.5mm AV-Wiselock System	1
7-012-11	Torque Limiting Attachment, 1.5Nm, for 2.7/3.5mm AV-Wiselock System	1
7-012-12	Drill Bit with Quick Coupling End, Ø2.5mm x Length 180mm - 2.7/3.5mm AV-Wiselock System	2
7-012-13	Drill Bit with Quick Coupling End, Ø3.5mm x Length 110mm - 2.7/3.5mm AV-Wiselock System	1
7-012-14	2.0mm Variable Angle Guide for 2.7/3.5mm AV-Wiselock System	1
7-012-15	Self-Centering Double Drill Guide, Ø2.0/2.7mm, for 2.7/3.5mm AV-Wiselock System	1
7-012-16	2.8mm Variable Angle Double Drill Guide	1
7-012-17	Handle with Quick Coupling for 2.7/3.5mm AV-Wiselock System	1
7-012-18	Handle for Torque Limiting Attachment, for 2.7/3.5mm AV-Wiselock System	1
7-012-19	2.5Nm Torque Limiting Handle for 2.7/3.5mm AV-Wiselock System	1
7-012-20	Depth Gauge measuring upto 100mm, for 2.7/3.5mm AV-Wiselock System	1
7-012-21	Percutaneous Depth Gauge Adaptor for 3.5mm Screws - 2.7/3.5mm AV-Wiselock System	1
7-012-22	Kirschner Wire with One Sided Trocar Tip Ø1.6mm x Length 150mm	5
7-012-23	Periarticular Reduction Forcep, Small, for 2.7/3.5mm AV-Wiselock System	1
7-012-24	Periarticular Reduction Forcep, Medium, for 2.7/3.5mm AV-Wiselock System	1
7-012-25	Large Compression Forcep with Speed Lock for 2.7/3.5mm AV-Wiselock System	1
7-012-26	Large Distraction Forcep with Speed Lock for 2.7/3.5mm AV-Wiselock System	1
7-012-27	3.5mm Post for AV-Wiselock Locking Hole	2
7-012-28	2.8mm Compression Wire, 10mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-29	2.8mm Compression Wire, 15mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-30	2.8mm Compression Wire, 20mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-31	2.8mm Compression Wire, 25mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-32	2.8mm Compression Wire, 30mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-33	2.8mm Compression Wire, 35mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-34	2.8mm Compression Wire, 40mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-35	2.8mm Compression Wire, 45mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-36	2.8mm Compression Wire, 50mm Thread for 2.7/3.5mm AV-Wiselock System	2

Instrument

Code	Set Consisting of	Units
7-012-37	2.8mm Compression Wire, 55mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-38	2.8mm Compression Wire, 60mm Thread for 2.7/3.5mm AV-Wiselock System	2
7-012-39	Guide Wire, Ø2.0mm x Length 150mm	5
7-012-40	Guide Wire with Threaded Tip, Ø2.0mm x Thread Length 10mm x Length 150mm	2
7-012-41	Threaded Drill Sleeve for Drill Bit 2.0mm - 2.7/3.5mm AV-Wiselock System	3
7-012-42	Tap, HA 2.7mm for 2.7/3.5mm AV-Wiselock System	1
7-012-43	Screwdriver Star Head, T8, for 2.7/3.5mm AV-Wiselock System	1
7-012-44	T-Handle with Quick Coupling for 2.7/3.5mm AV-Wiselock System	1
7-012-45	Self-Centering Bone Holding Forcep, Speed Lock, 190mm for 2.7/3.5mm AV-Wiselock System	2
7-012-46	Reduction Forcep, Serrated Jaws, Speed Lock, 160mm for 2.7/3.5mm AV-Wiselock System	1
7-012-47	Reduction Forcep, Pointed, Ratchet Lock, 180mm for 2.7/3.5mm AV-Wiselock System	1
7-012-48	Bending Iron 1 for 2.7/3.5mm AV-Wiselock System	1
7-012-49	Bending Iron 2 for 2.7/3.5mm AV-Wiselock System	1
7-012-50	Ø1.2mm Kirschner Wire for 2.7/3.5mm AV-Wiselock System	3
7-012-51	Hohmann Retractor, 6.5mm for 2.7/3.5mm AV-Wiselock System	1
7-012-52	Hohmann Retractor, 8.5mm for 2.7/3.5mm AV-Wiselock System	1
7-012-53	Hohmann Retractor, 15.5mm for 2.7/3.5mm AV-Wiselock System	2
7-012-54	Periosteal Elevator with Silicon Handle, Curved, 6mm for 2.7/3.5mm AV-Wiselock System	1
7-012-55	Screw Holding Forcep for 2.7/3.5mm AV-Wiselock System	1
7-012-56	Countersink for 2.7/3.5mm AV-Wiselock System	1
7-012-57	Screw Holding Sleeve for 2.7mm Cortical Screw	1
7-012-60	Screw Holding Sleeve for 2.7mm Locking Screw	1
7-012-61	Screw Holding Sleeve for 3.5mm Cortical Screw	1
7-012-62	Screw Holding Sleeve for 3.5mm Locking Screw	1
7-050-05	T- Handle for Threaded Drill Sleeve	1
7-012-58	Instrument Trays for 2.7/3.5mm AV-Wiselock System	3
7-012-59	Container for 2.7/3.5mm AV-Wiselock System Instrument Set	1



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