



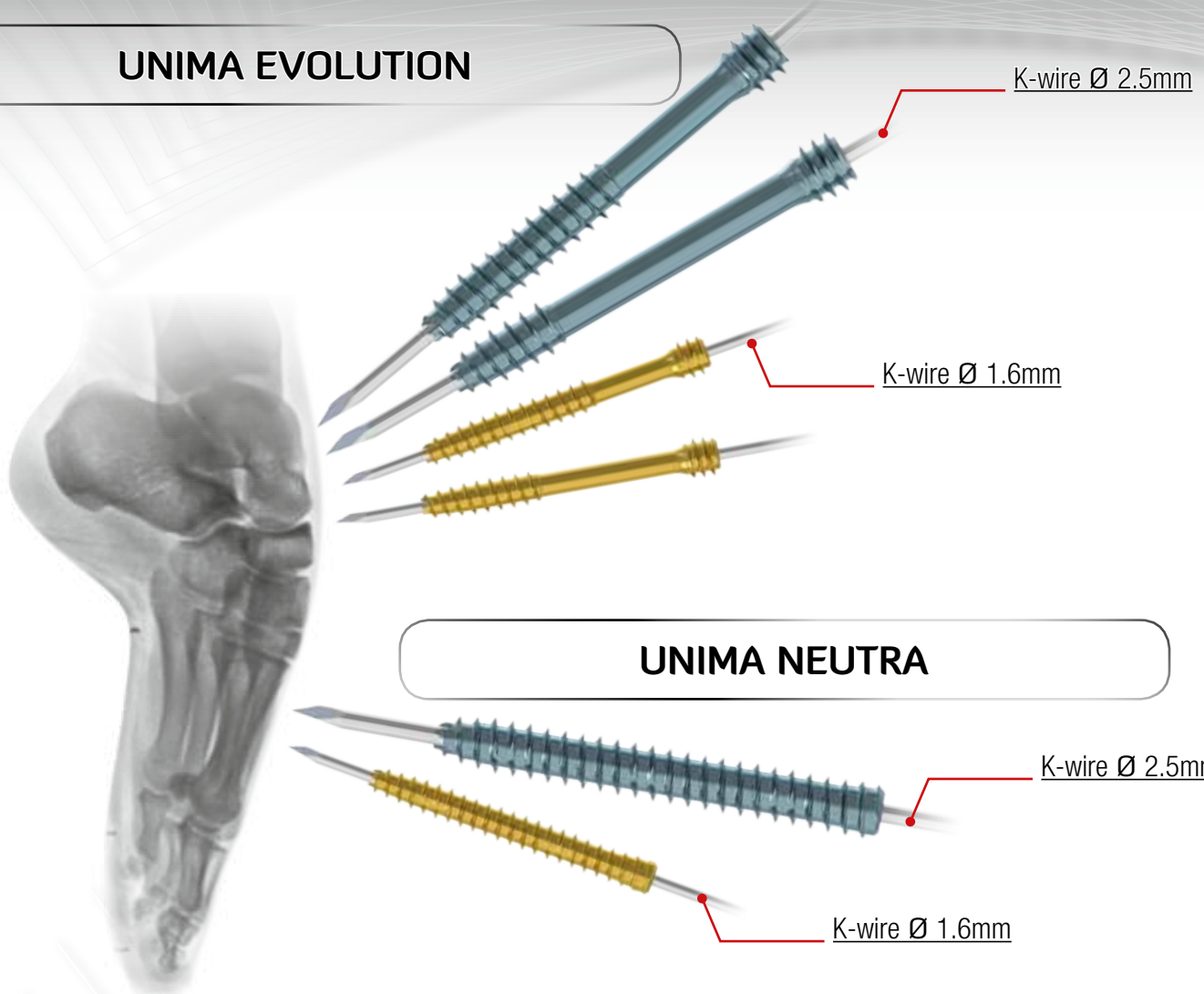
BIOTECH-EOS

ORTHOPAEDIC IMPLANTS

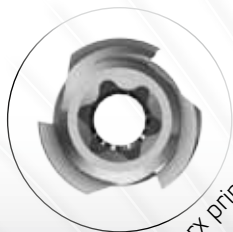
Unima Evolution and Unima Neutra

EOS Range

UNIMA EVOLUTION



UNIMA NEUTRA



Torx print.



Self-tapping and self-drilling thread.



Proximal self-tapping thread.

INDICATIONS :

- Partial or complete Lisfranc arthrodesis.
- Lapidus intervention (C1-M1).
- Partial or total arthrodesis of the midfoot.
- Talonavicular or calcaneocuboid arthrodesis.
- Metatarsophalangeal arthrodesis (Hallux).
- Osteosynthesis of the foot.
- Arthrodesis of the hindfoot, subtalar, talonavicular.
- Talocrural arthrodesis.
- Osteotomy of the calcaneus.

Available in sterile and non-sterile versions.

Unima Evolution & Unima Neutra



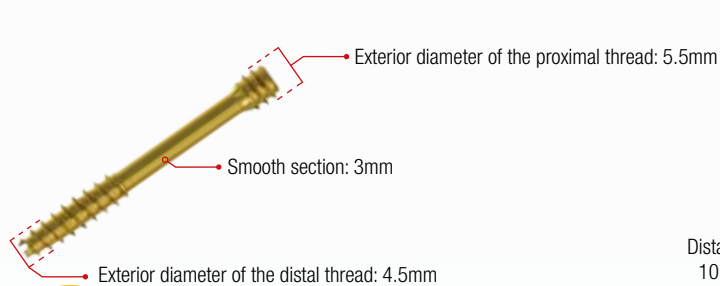
Think simple

SURGICAL TECHNIQUE

UNIMA EVOLUTION CHARACTERISTICS

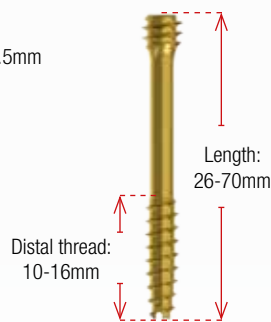
0 10 mm

Characteristics of the Unima Evolution 4.5mm diameter screw

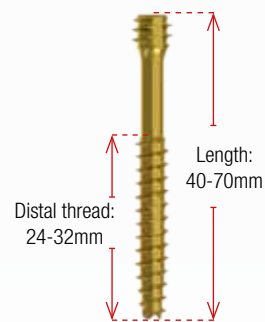


INDICATIONS:

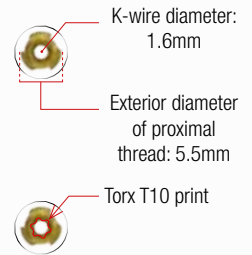
- ▶ Partial or complete Lisfranc arthrodesis.
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- ▶ Osteosynthesis of the foot.



Short-thread Unima Evolution screw



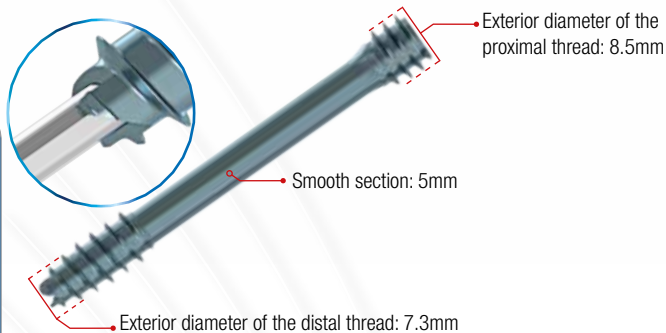
Long-thread Unima Evolution screw



Material : TA6V ELI Titanium

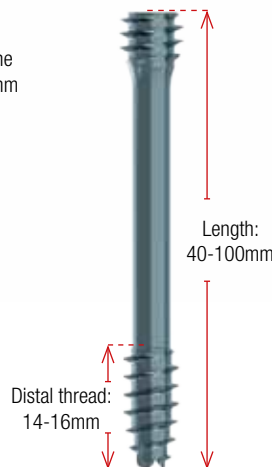
0 10 mm

Characteristics of the Unima Evolution 7.3mm diameter screw

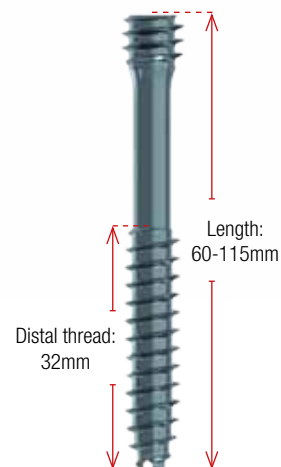


INDICATIONS :

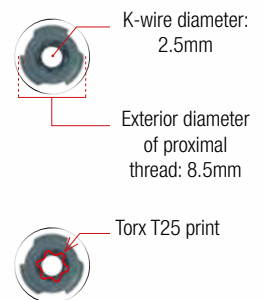
- ▶ Arthrodesis of the hindfoot, subtalar, talonavicular.
- ▶ Talocrural arthrodesis.
- ▶ Osteotomy of the calcaneus.



Short-thread Unima Evolution screw



Long-thread Unima Evolution screw

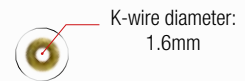
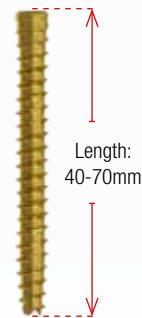
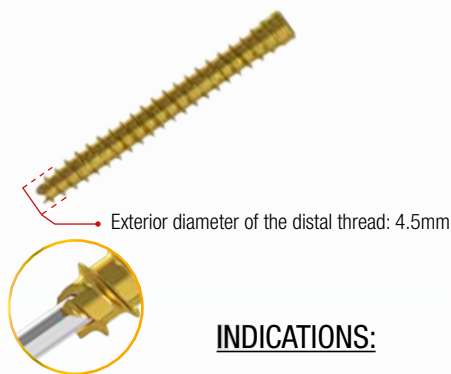


Material : TA6V ELI Titanium

UNIMA NEUTRA CHARACTERISTICS

0 10 mm

Characteristics of the Unima Neutra 4.5mm diameter screw



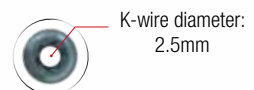
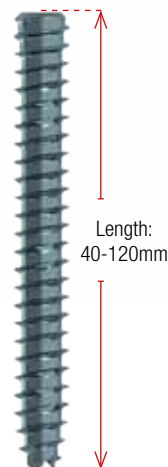
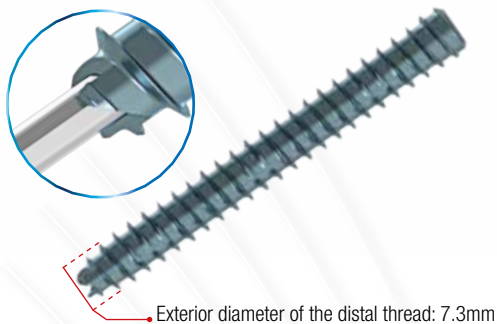
INDICATIONS:

- ▶ Partial or complete Lisfranc arthrodesis.
- ▶ Lapidus intervention (C1-M1).
- ▶ Partial or total arthrodesis of the midfoot.
- ▶ Talonavicular or calcaneocuboid arthrodesis.
- ▶ Metatarsophalangeal arthrodesis (Hallux).
- ▶ Osteosynthesis of the foot.

Material : TA6V ELI Titanium

0 10 mm

Characteristics of the Unima Neutra 7.3mm diameter screw



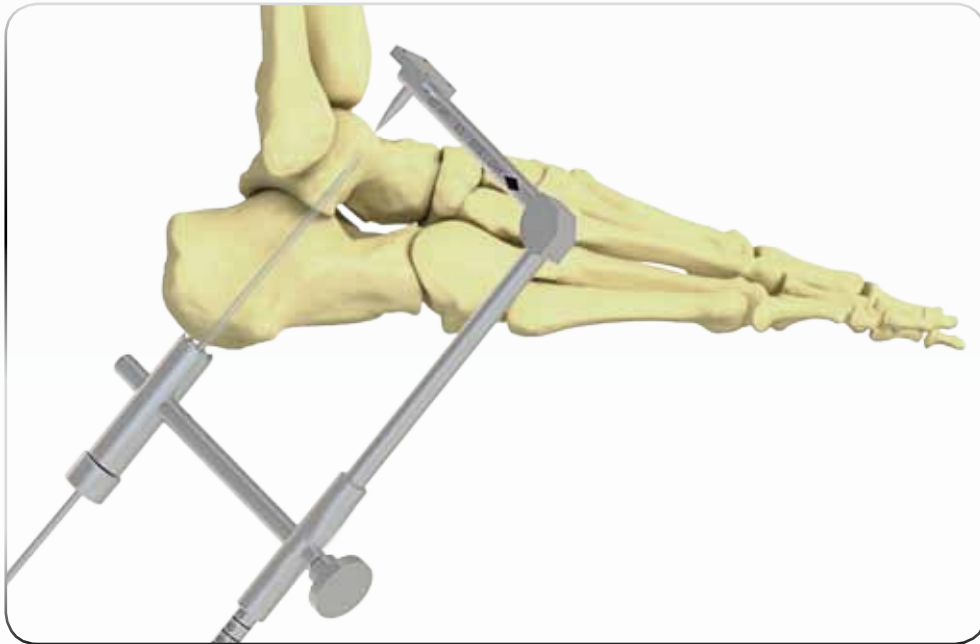
INDICATIONS :

- ▶ Arthrodesis of the hindfoot, subtalar, talonavicular.
- ▶ Talocrural arthrodesis.
- ▶ Osteotomy of the calcaneus.

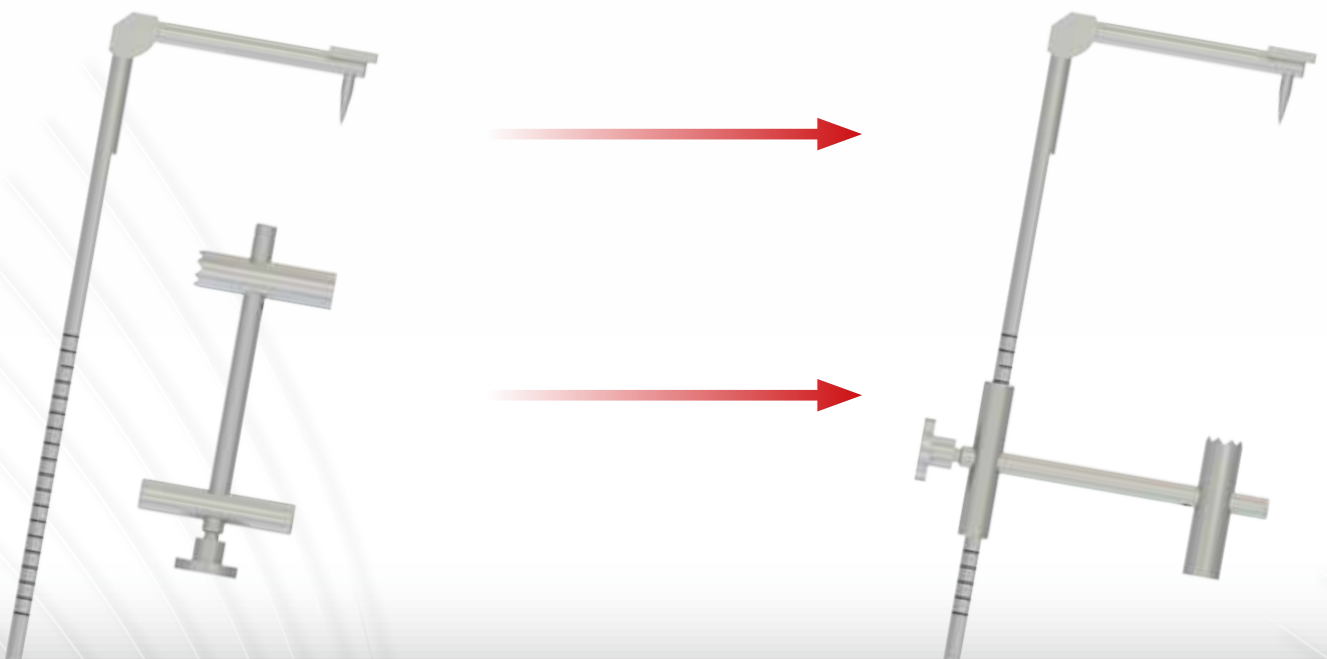
Material : TA6V ELI Titanium

REVERSIBLE GUIDE FOR DOUBLE ARTHRODESIS OF THE HINDFOOT.

The Unima guide is reversible for helping with subtalar fixation as well as with talar-calcaneal arthrodesis.



Assembling the guide:



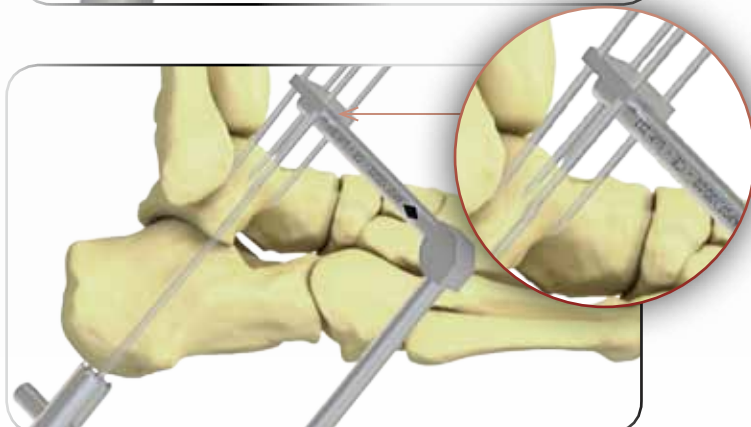
REVERSIBLE GUIDE FOR DOUBLE ARTHRODESIS OF THE HINDFOOT.

Advantages of the guide.

Reinforced angle for improved stabilisation of the guide.



4 stabilisation K-wire, Diameter 1.5mm Lg. 100mm (K01.115.100) can be introduced on the end of the guide. This guide stability makes it easier to insert the implant.



Barrel guide

For screw diam. 7,3 mm



Drill barrel guide
AP07.120.143

K-wire barrel guide
AP07.120.121

For screw diam. 4,5 mm



Drill barrel guide
AP07.120.131

K-wire barrel guide
AP07.120.117



SURGICAL TECHNIQUE

Text relating to screws with 7.3mm diameter

- AM02ML530 = cannulated long distal drill Lg. 200 mm Diam. 5,3 mm.
- AM02MC530 = cannulated short distal drill Lg. 150 mm Diam. 5,3 mm.
- AM02FC600 = cannulated proximal drill Lg. 130 mm Diam. 6,0 mm.

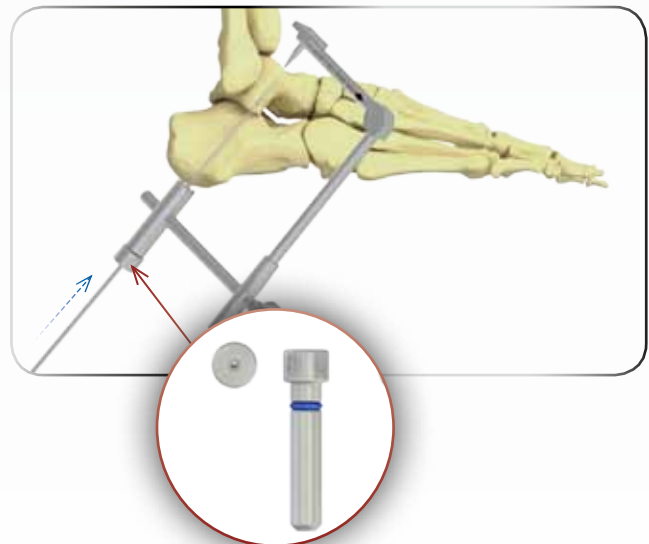
Text relating to screws with 4.5mm diameter

- AM02ML330 = cannulated long distal drill Lg. 200 mm Diam. 3,3 mm.
- AM02MC330 = cannulated short distal drill Lg. 150 mm Diam. 3,3 mm.
- AM02FC400 = cannulated proximal drill Lg. 130 mm Diam. 4,0 mm.

1

Positioning of the K-wire.

- Select the guide barrel with the smallest nozzle (ref. [AP07.120.121](#); [AP07.120.117](#)) for the insertion of the K-wire.
- Stabilise the lower section of the guide. The end of the guide point should stay on the surface of the bone, either in the talus or the calcaneus, depending on the direction chosen for the insertion of the screw.
- Insert the K-wire into the K-wire guide barrel.

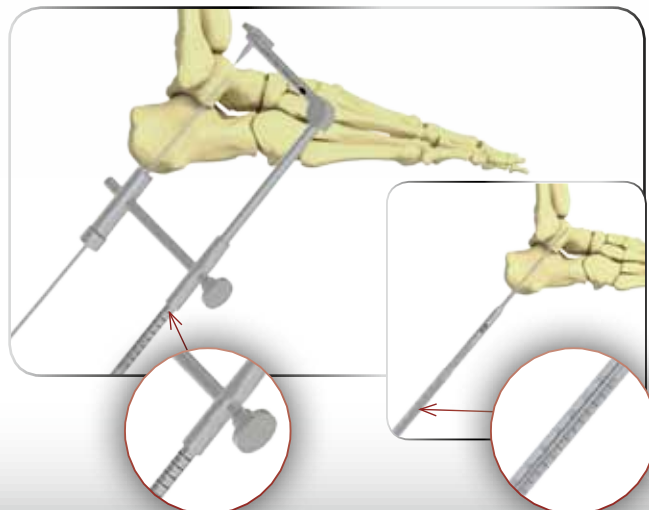


2

Measure the length of the screw.

The screw can be measured in three ways:

- By reading it directly on the graduated drill ([AM02MC530](#), [AM02ML530](#), [AM02MC330](#), [AM02ML330](#)) keeping the arthrodesis guide ([AP07.120](#) + ([AP07.120.143](#), [AP07.120.131](#))) and/or the guide ([AP07.121](#) + ([AP07.120.143](#), [AP07.120.131](#))).
- Using a differential gauge ([AP02JD230](#)) after extraction of the arthrodesis guide.
- Using a depth gauge ([AP02JP155](#)) after extraction of the arthrodesis guide and drilling with the graduated short or long distal drill ([AM02MC530](#), [AM02ML530](#), [AM02MC330](#), [AM02ML330](#)).



SURGICAL TECHNIQUE

3

Drilling.

If necessary, use the long graduated drill ([AM02ML330](#), [AM02ML530](#)), or short ([AM02MC330](#), [AM02MC530](#)) to prepare the site for the distal section of the screw.

Use the drill guide ([AP07.120.143](#), [AP07.120.131](#)) together with the arthrodesis guide ([AP07.120](#)) or the protective sleeve ([AP07.121](#)).



4

Preparation of the site for the screw head.

Use the proximal drill ([AM02FC600](#), [AM02FC400](#)) to prepare the site for the screw head location after extraction of the arthrodesis guide ([AP07.120](#)) or the protective sleeve ([AP07.121](#)).



SURGICAL TECHNIQUE

Text relating to screws with 7.3mm diameter

- AM02ML530 = cannulated long distal drill Lg. 200 mm Diam. 5,3 mm.
- AM02MC530 = cannulated short distal drill Lg. 150 mm Diam. 5,3 mm.
- AM02FC600 = cannulated proximal drill Lg. 130 mm Diam. 6,0 mm.

Text relating to screws with 4.5mm diameter

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- AM02FC400 = cannulated proximal drill Lg. 130 mm Diam. 4,0 mm.

5

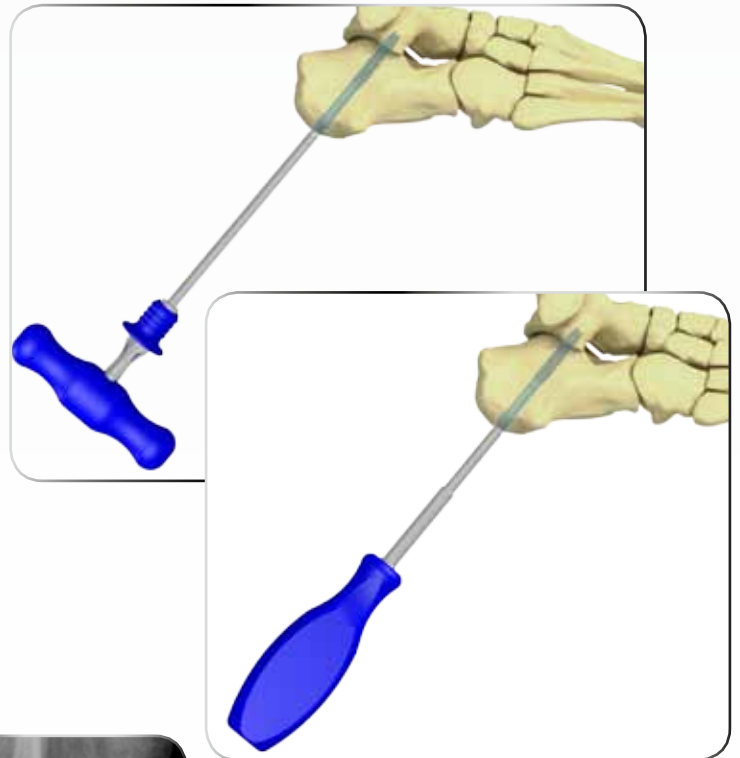
Screwing

Different types of screwdriver are available for inserting the screw:

- Connector for cannulated screwdriver ([AL25PC130](#), [AL10PC130](#)) which can be adapted for power using the Jacob/Biotech ([AD003](#)) stop connection adapter or on the sleeve of the screwdriver in T ([MV700](#)).
- Non-cannulated screwdriver connector ([AL25NC130](#), [AL10NC130](#)) which can be adapted for power using the Jacob/Biotech ([AD003](#)) stop connection adapter or on the sleeve of the screwdriver in T ([MV700](#)).
- Cannulated monobloc screwdriver ([AL25CA120](#), [AL10CA120](#)).

Compression can be felt when the proximal section of the screw is inserted.

- ⓘ The screw head must be completely buried to avoid any conflict with the soft tissue.

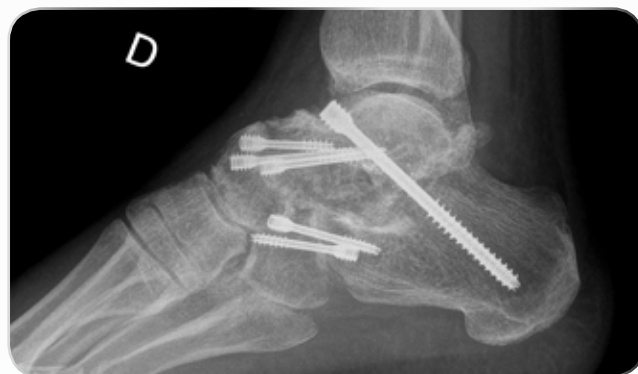


Triple arthrodesis

POST-OPERATIVE X-RAYS



Calcaneal osteotomy



Triple arthrodesis



Club Foot Redo

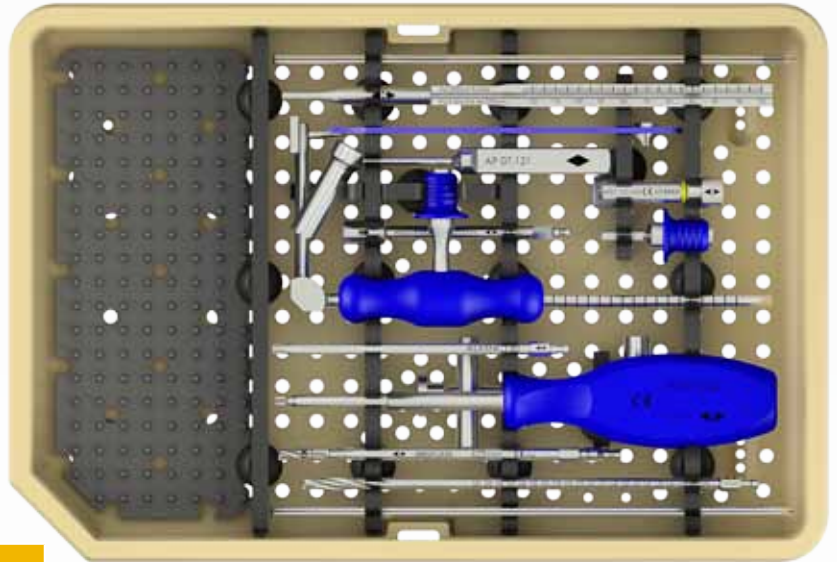


KITS UNIMA EVOLUTION & UNIMA NEUTRA SCREWS

Instruments kit diameter 4.5mm

References	Description
AN02TM160	K-wire, Diameter 1.6mm, Length 230mm
BR160F	Threaded K-wire, Diameter 1.6mm, Length 230 mm
AM02MC330	Cannulated short distal bit, Diameter 3.3mm, Length 150mm
AM02ML330	Cannulated long distal bit, Diameter 3.3mm, Length 200mm
AM02FC400	Cannulated Unima proximal drill, Diameter 4mm, Length 130mm
AL10PC130	Cannulated Torx T10 Motor connector, Length 130mm
AL10NC130	Non-cannulated Torx T10 motor connector, Length 130mm
AL10CA120	Torx T10 axial monobloc cannulated screwdriver, Length 220mm
AP02JD230	Differential gauge for K-wire 230mm, Length 230mm
AP02JP155	Depth gauge
MV700	Biotech stop connection T sleeve
AD003	Biotech/Jacob stop connection adapter
AP07.121	Protective sleeve
AP07.120.117	Removable guide for K-wire, Diameter 1.6mm
AP07.120.131	Removable guide for bit, Diameter 3.3mm
AK03KT145	Radel instrument Unima Evolution box, Diameter 4.5mm

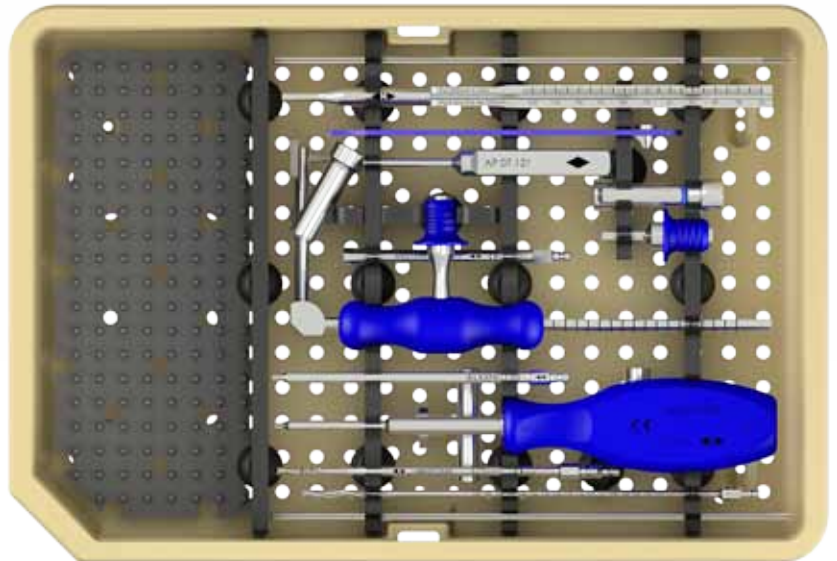
Optional instruments	
AS02BM045	Double guide for K-wire Diameter 1.6mm and distal bit Diameter 3.3mm
AQ02TR065	Cannulated trephine Diameter 6.5mm
AP07.120	Unima viewfinder for triple arthrodesis
K01.115.100	K-wire, Diameter 1.5mm, Length 100mm



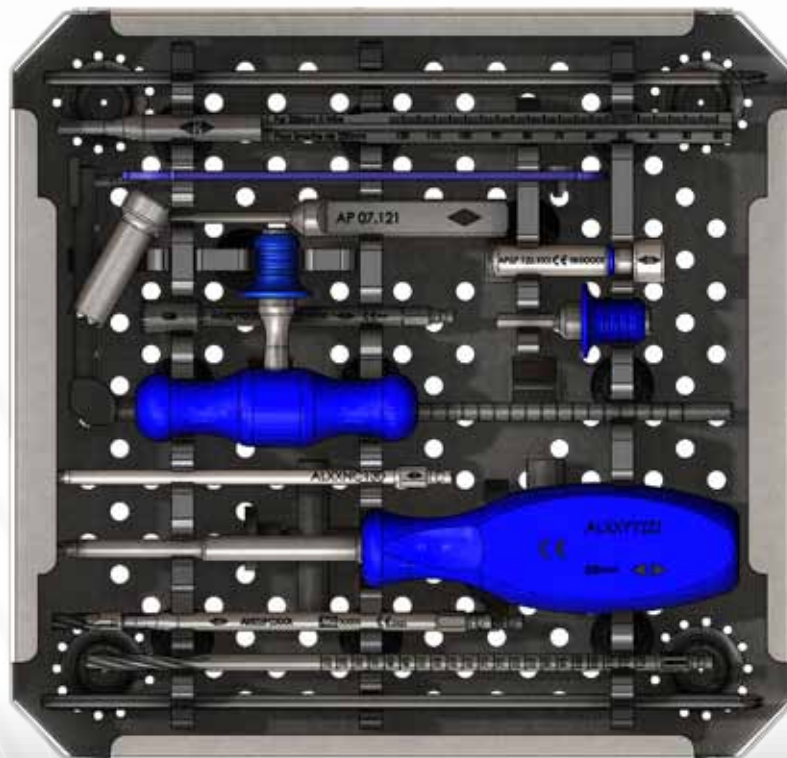
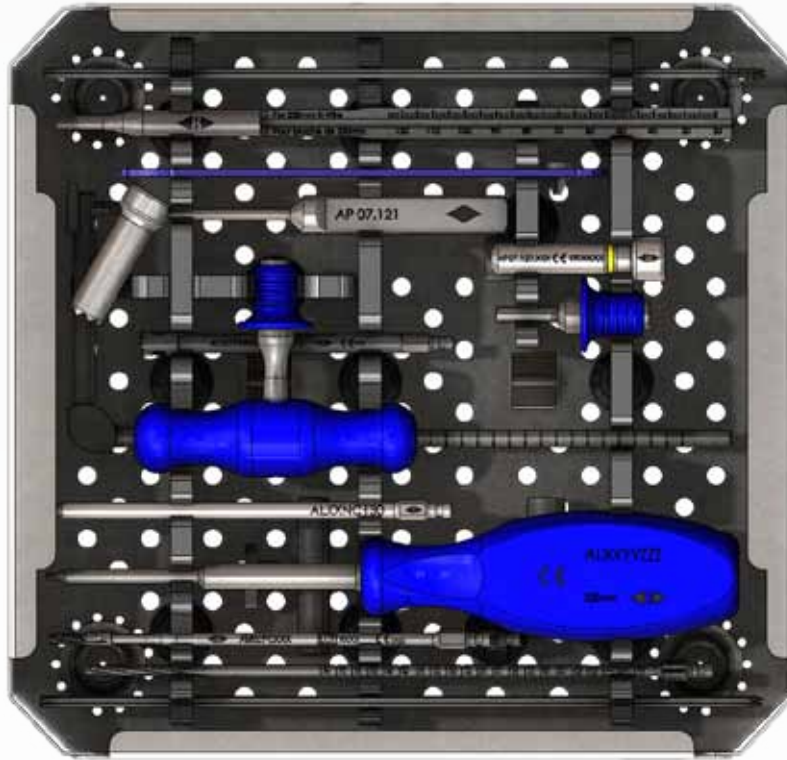
Instruments kit diameter 7.3 mm

References	Description
AN02TM250	K-wire, Diameter 2.5mm, Length 230mm
BR250F	Threaded K-wire, Diameter 2.5mm Length 230mm
AM02MC530	Cannulated short distal bit, Diameter 5.3mm, Length 150mm
AM02ML530	Cannulated long distal bit, Diameter 5.3mm, Length 200mm
AM02FC600	Cannulated Unima proximal drill, Diameter 6mm, Length 130 mm
AL25PC130	Cannulated Torx T25 Motor connector, Length 130mm
AL25NC130	Non-cannulated Torx T25 motor connector, Length 130mm
AL25CA120	Torx T25 axial monobloc cannulated screwdriver
AP02JD230	Differential gauge for K-wire, Length 230mm
AP02JP155	Depth gauge
MV700	Biotech stop connection T sleeve
AD003	Biotech/Jacob stop connection adapter
AP07.121	Protective sleeve
AP07.120.121	Removable guide for K-wire, Diameter 2.5mm
AP07.120.143	Removable guide for bit diameter 5.3mm
AK03KT173	Radel instrument Unima Evolution box diameter 7.3mm

Optional instruments	
AS02BM073	Double guide for K-wire, Diameter 2.5mm and distal bit, Diameter 5.3mm
AQ02TR095	Cannulated trephine, Diameter 9.5mm
AP07.120	Unima viewfinder for triple arthrodesis
K01.115.100	K-wire, Diameter 1.5mm, Length 100mm



KITS UNIMA EVOLUTION & UNIMA NEUTRA SCREWS



REFERENCES

 7.3mm screw diameter
 4.5mm screw diameter

Unima Neutra 4.5mm diameter

Sterile ref.	Non-sterile ref.	Total length
AA45DG540	AA45DG040	40 mm
AA45DG545	AA45DG045	45 mm
AA45DG550	AA45DG050	50 mm
AA45DG555	AA45DG055	55 mm
AA45DG560	AA45DG060	60 mm
AA45DG565	AA45DG065	65 mm
AA45DG570	AA45DG070	70 mm

Unima Evolution 4.5mm diameter, short thread

Sterile ref.	Non-sterile ref.	Total length	Length of thread
AA45AG526	AA45AG026	26 mm	10 mm
AA45AG528	AA45AG028	28 mm	12 mm
AA45AG530	AA45AG030	30 mm	14 mm
AA45AG532	AA45AG032	32 mm	16 mm
AA45AG534	AA45AG034	34 mm	16 mm
AA45AG536	AA45AG036	36 mm	16 mm
AA45AG538	AA45AG038	38 mm	16 mm
AA45AG540	AA45AG040	40 mm	16 mm
AA45AG542	AA45AG042	42 mm	16 mm
AA45AG544	AA45AG044	44 mm	16 mm
AA45AG546	AA45AG046	46 mm	16 mm
AA45AG548	AA45AG048	48 mm	16 mm
AA45AG550	AA45AG050	50 mm	16 mm
AA45AG555	AA45AG055	55 mm	16 mm
AA45AG560	AA45AG060	60 mm	16 mm
AA45AG565	AA45AG065	65 mm	16 mm
AA45AG570	AA45AG070	70 mm	16 mm

Unima Evolution 4.5mm diameter, long thread

Sterile ref.	Non-sterile ref.	Total length	Length of thread
AA45AH540	AA45AH040	40 mm	24 mm
AA45AH545	AA45AH045	45 mm	29 mm
AA45AH550	AA45AH050	50 mm	32 mm
AA45AH555	AA45AH055	55 mm	32 mm
AA45AH560	AA45AH060	60 mm	32 mm
AA45AH565	AA45AH065	65 mm	32 mm
AA45AH570	AA45AH070	70 mm	32 mm

Unima Neutra 7.3mm diameter

Sterile ref.	Non-sterile ref.	Total length
AA73DA540	AA73DA040	40 mm
AA73DA545	AA73DA045	45 mm
AA73DA550	AA73DA050	50 mm
AA73DA555	AA73DA055	55 mm
AA73DA560	AA73DA060	60 mm
AA73DA565	AA73DA065	65 mm
AA73DA570	AA73DA070	70 mm
AA73DA575	AA73DA075	75 mm
AA73DA580	AA73DA080	80 mm
AA73DA585	AA73DA085	85 mm
AA73DA590	AA73DA090	90 mm
AA73DA595	AA73DA095	95 mm
AA73DA600	AA73DA100	100 mm
AA73DA605	AA73DA105	105 mm
AA73DA610	AA73DA110	110 mm
AA73DA615	AA73DA115	115 mm
AA73DA620	AA73DA120	120 mm

Unima Evolution 7.3mm diameter, short thread

Sterile ref.	Non-sterile ref.	Total length	Length of thread
AA73AA540	AA73AA040	40 mm	14 mm
AA73AA545	AA73AA045	45 mm	16 mm
AA73AA550	AA73AA050	50 mm	16 mm
AA73AA555	AA73AA055	55 mm	16 mm
AA73AA560	AA73AA060	60 mm	16 mm
AA73AA565	AA73AA065	65 mm	16 mm
AA73AA570	AA73AA070	70 mm	16 mm
AA73AA575	AA73AA075	75 mm	16 mm
AA73AA580	AA73AA080	80 mm	16 mm
AA73AA585	AA73AA085	85 mm	16 mm
AA73AA590	AA73AA090	90 mm	16 mm
AA73AA595	AA73AA095	95 mm	16 mm
AA73AA600	AA73AA100	100 mm	16 mm

Unima Evolution 7.3mm diameter, long thread

Sterile ref.	Non-sterile ref.	Total length	Length of thread
AA73AB560	AA73AB060	60 mm	32 mm
AA73AB565	AA73AB065	65 mm	32 mm
AA73AB570	AA73AB070	70 mm	32 mm
AA73AB575	AA73AB075	75 mm	32 mm
AA73AB580	AA73AB080	80 mm	32 mm
AA73AB585	AA73AB085	85 mm	32 mm
AA73AB590	AA73AB090	90 mm	32 mm
AA73AB595	AA73AB095	95 mm	32 mm
AA73AB600	AA73AB100	100 mm	32 mm
AA73AB605	X	105 mm	32 mm
AA73AB610		110 mm	32 mm
AA73AB615		115 mm	32 mm



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305, Allées de Craponne - 13300 Salon de Provence - France.

Tel.: +33 (0)4 90 44 60 60 - Fax : +33 (0)4 90 44 60 61 - info@biotech-ortho.com