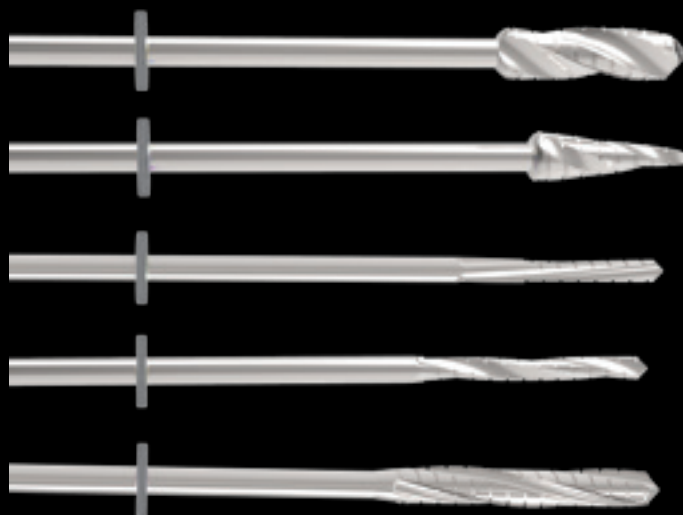
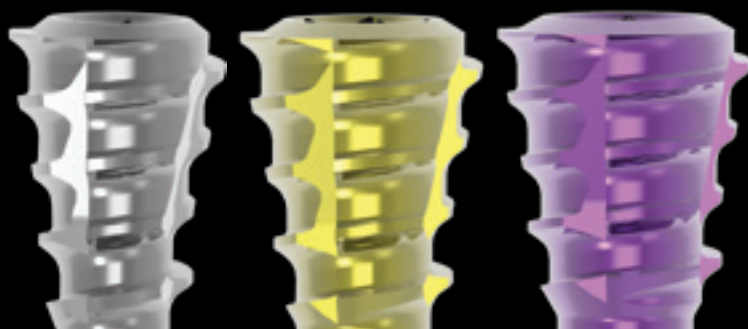




NEWCLIP-TECHNICS

INNOVATION MEANS MOTION



FOOTMOTION FOREFOOT

SCREWS / PERCUTANEOUS REAMERS /
STAPLES

- › Self-drilling and self-tapping screws
- › Optimal compression
- › Innovative ergonomic instruments

FOOTMOTION

A COMPREHENSIVE RANGE OF SURGICAL PRODUCTS FOR TREATING FOREFOOT CONDITIONS

The Footmotion range of products includes screws, staples and percutaneous reamers and is an effective solution for the surgical treatment of forefoot pathologies (hallux valgus, hammer toes, fractures of the fore- and mid-foot). Each screw is designed to reduce surgery time thanks to the self-drilling and self-tapping technologies that eliminate the drilling step.

SAFETY TRACEABILITY

The whole range is available sterile and non-sterile.

STERILE PACKAGING



NON-STERILE PACKAGING

In order to improve the traceability of non-sterile screws, a marker (provided with each screw) clearly indicates their batch number and length.



SCREWS



STAPLES



PERCUTANEOUS REAMERS

TECHNICAL FEATURES

→ SELF-DRILLING SCREWS

The self-drilling extremity of all screws means that penetration is easier, whether the required angle correction is perpendicular or oblique to the bone.



→ SELF-COMPRESSIVE SCREWS

Cylindro-conical shape

The cylindro-conical shape head allows a non-traumatic insertion of the screw into the cortical bone and optimal compression of the osteotomy or fracture reduction, thus avoiding any risk of splitting the cortical bone.

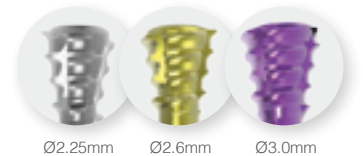
Distal thread

The length and depth of the thread have been optimized to maximize the area of contact with the bone, thus allowing perfect compression between both bone fragments.



→ CANNULATED SCREWS

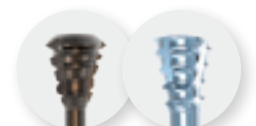
The 2.25 and 2.6/3.0mm cannulated screws are guided by 0.8 and 1.0mm K-wires. This makes their use easier for minimally invasive percutaneous surgery.



Ø2.25mm Ø2.6mm Ø3.0mm

→ NON-CANNULATED SCREWS

2 types of non-cannulated screws :
 - Weil screw, Ø2.0mm : self-tapping and self-drilling screws for Weil osteotomy.
 - Chevron screw, Ø2.8mm : self-tapping and self-drilling screws for Chevron osteotomy.



Weil screw Ø2.0mm Chevron screw Ø2.8mm

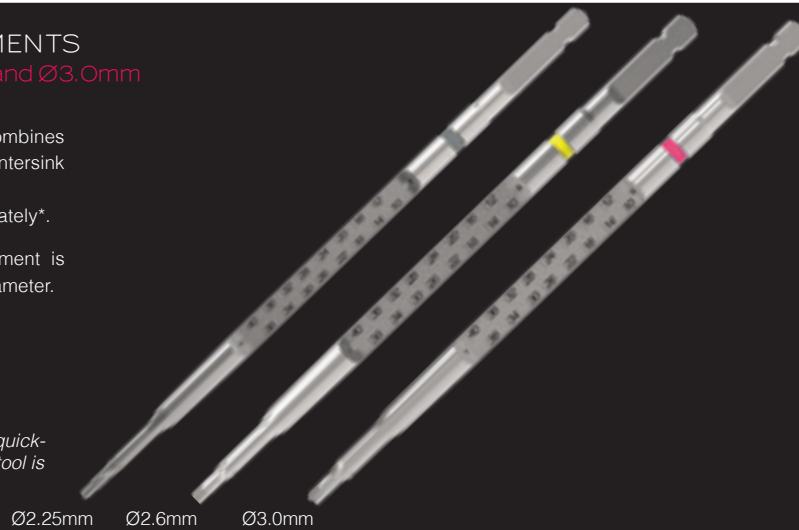
ERGONOMICALLY DESIGNED INSTRUMENTS

→ 3-IN-1 INSTRUMENTS Ø2.25mm, Ø2.6mm and Ø3.0mm

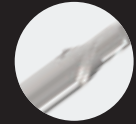
The 3-in-1 instrument* combines three tools: screwdriver, countersink and depth gauge. Each tool is available separately*.

A 3-in-1 cannulated instrument is available for each screw diameter.

**Instruments used with the quick-coupling handle, no power tool is necessary.*



a) Depth gauge



b) Countersink



c) Screwdriver

PERCUTANEOUS REAMERS

Ø4.0mm WIDE SHANNON REAMER



Ø4.0mm WEDGE REAMER



Ø3.0mm LONG SHANNON REAMER



Ø2.0mm SHORT SHANNON REAMER (straight or helical flute)



Ø2.0mm LONG SHANNON REAMER (straight or helical flute)



APPLICATIONS

Percutaneous reamers are designed for minimally invasive surgery of the forefoot*:

▶ Cylindrical reamers

- Ø4.0mm wide and Ø3.0mm long Shannon reamer: exostectomy, arthrodesis and shortening osteotomy.

- Ø2.0mm short and long Shannon reamer: lateral rays osteotomy, distal or proximal osteotomy of the first ray and osteotomy of the first phalanx.

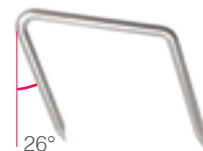
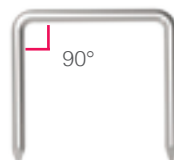
▶ Conical reamers

- Wedge: Distal monocortical osteotomy of the first ray and osteotomy of the first phalanx.

* These applications are given as examples.

STAPLES

Two designs are available (straight: 90° and oblique: 26°) with, for each one, two widths (8 and 10mm).

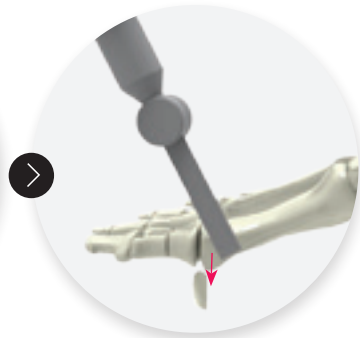


HALLUX VALGUS SURGICAL TECHNIQUE

STEP 1 FIRST METATARSAL OSTEOTOMY (M1)

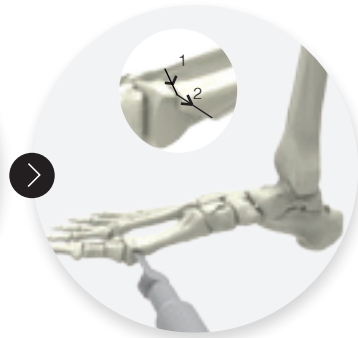


Hallux Valgus



A. Exostosectomy

Using an oscillating saw or a percutaneous reamer, perform metatarsal head resection so as to create a smooth surface.



B. Chevron Osteotomy ('V-shaped' osteotomy)

1. The first cut is performed distally, dorsally and transversally under visual control, just behind the articular surface, and perpendicularly to the axis of the second metatarsal. The osteotomy depth should be about 5mm.
2. The second cut is performed toward the plantar diaphysis.



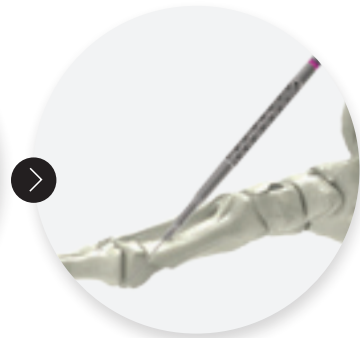
C. Translation of bone fragment

Displace the distal fragment laterally to correct alignment. Temporary wire fixation can help maintaining the correct alignment.



D. Positioning the guide wire

Using the appropriate guide, insert the wire corresponding to the chosen screw diameter (Ø0.8mm for Ø2.25mm screws / Ø1.0mm for Ø2.6 and 3.0mm screws – the colour code of the wire holders helps to clearly identify the suitable wire size).

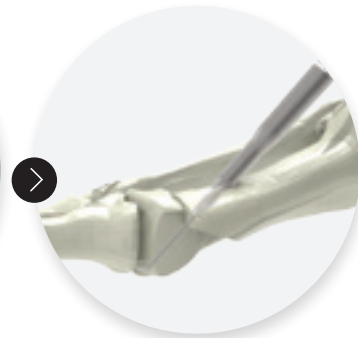


E. Determining screw lengths

Choose the 3-in-1 instrument (measuring device, countersink and screwdriver*) corresponding to the screw diameter** and insert it manually onto the guide wire until it touches the bone. Read the screw length on the measuring gauge at the tip of the wire.

**Each tool is available separately and used with the quick-coupling handle, no power tool is necessary.*

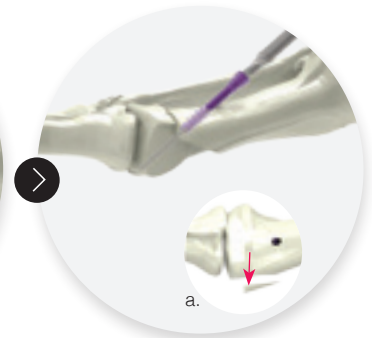
*** Each instrument is marked with a silicone colour ring matching the colour code of the used screw.*



F. Manual preparation of the first cortical surface

Prepare the first cortical surface using the countersink tip of the 3-in-1 instrument, so that the screw head can be safely inserted and flush with the cortex.

NB: The preparation of the cortex is critical in order to get an optimum fracture compression.



G. Inserting the screw

The self tapping property of the screw allows its direct insertion without a pre-drill using the screwdriver tip of the 3-in-1 instrument*. Finalize the screw insertion manually and check if the screw head is totally inserted. Remove the wires and excise the medial eminence of the dorsal fragment.

**In case of a hard cortical bone it is recommended to drill before the screw insertion.*



INTERMEDIATE RESULT



H. Varus osteotomy

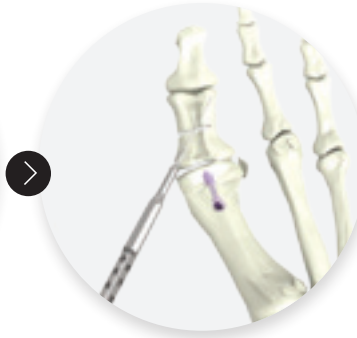
The Akin osteotomy of P1 is performed using a percutaneous reamer.



I. Determining screw length

Stabilize the varus osteotomy with the wire corresponding to the chosen screw diameter. Insert it until lightly touching the second cortical surface.

Choose the suitable 3-in-1 instrument to measure the screw length (cf. E).



J. Manual preparation of the first cortical surface

Prepare the first cortical surface using the countersink tip of the 3-in-1 instrument, so that the screw head can be safely inserted and flush with the cortex.



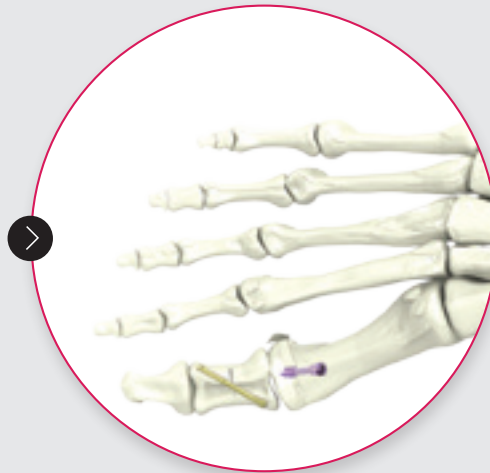
K. Inserting the screw

Insert the screw* of the appropriate length, using the screwdriver tip of the 3-in-1 instrument.

Finalize the screw insertion manually and check if the screw head is totally inserted. Remove the wire.

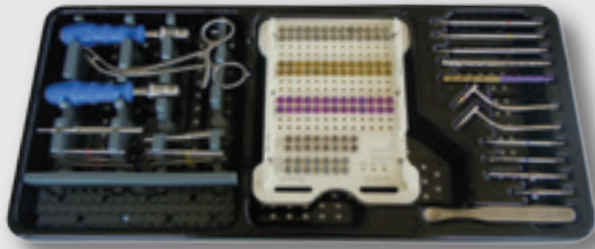
**In case of a hard cortical bone or a bicortical fixation it is recommended to drill before the screw insertion.*

FINAL RESULT



INSTRUMENTS REFERENCES

➤ Large size with 1 tray



➤ Small size with 2 trays



INSTRUMENTS

Ref#	Screw	Description
ANC104	●	Hexagonal prehensor screwdriver 1.5mm - cannula 0.9mm
ANC105	●	Ø0.8mm wire guide
ANC106	●	Ø1.7mm drill bit - cannula 0.9mm
ANC108		Ø1.0mm length gauge for wire - L80mm
ANC125	● ●	Ø1.0mm wire guide
ANC135	●	Ø2.0mm drill bit - cannula 1.1mm
ANC137	●	Ø2.2mm drill bit - cannula 1.1mm
ANC139	●	2.0mm hexagonal prehensor screwdriver - cannula 1.1mm
ANC140	●	Ø1.7mm countersink - cannula 0.9mm
ANC141	●	Ø2.0mm countersink - cannula 1.1mm
ANC142	●	Ø2.2mm countersink - cannula 1.1mm
ANC145	●	Spatula for Weil screws
ANC148	●	1.8mm hexagonal prehensor screwdriver - cannula 1.0mm
ANC161	●	1.5mm hexagonal screwdriver
ANC166	●	Wires support for Ø0.8mm wire
ANC167	● ●	Wires support for Ø1.0mm wire
ANC200	●	Countersink for Weil screws
ANC201	●	1.8mm hexagonal prehensor screwdriver for Chevron screws
ANC202	●	Countersink for Chevron screws
ANC204-SK	●	3-in-1 instrument for Ø2.25mm screws - Safety key
ANC205-SK	●	3-in-1 instrument for Ø2.6mm screws - Safety key
ANC206-SK	●	3-in-1 instrument for Ø3.0mm screws - Safety key
ANC350		Ø4.5mm AO quick coupling handle - Size 1
33.0208.080	●	K-Wire - Ø0.8 L80mm
33.0210.080	● ●	K-Wire - Ø1.0 L80mm

OPTIONAL INSTRUMENTS

Ref#	Screw	Description
ANC144	● ● ●	16cm Forceps
ANC177		90° staple holder
ANC178		26° staple holder
ANC220	●	Chevron cutting guide - right side
ANC221	●	Chevron cutting guide - left side
14.33.53		Impactor for 90° staple
14.33.54		Impactor for 26° staple

* Custom-made kits including only instruments designed for the desired screw diameters can be ordered (see opposite summary table of instruments corresponding to each diameter).

- Instruments for Ø2.25mm cannulated screws
- Instruments for Ø2.6mm cannulated screws
- Instruments for Ø3.0mm cannulated screws
- Instruments for Ø2.0mm Weil screws
- Instruments for Ø2.8mm Chevron screws

PERCUTANEOUS REAMERS**

Ref#	Description
ANC197	Ø4mm wide Shannon reamer - helical flute
ANC198	Ø2mm short Shannon reamer - helical flute
ANC199	Ø4mm wedge reamer - helical flute
ANC203	Ø3mm long Shannon reamer - helical flute
ANC476	Ø2mm long Shannon reamer - helical flute
ANC537	Ø2mm short Shannon reamer - straight flute
ANC538	Ø2mm long Shannon reamer - straight flute

**The percutaneous reamers are only available on demand. They are supplied in a sterile/single use package.

KIT CONTENT

→ REFERENCES OF ONE-SIZE-FITS-ALL INSTRUMENTS

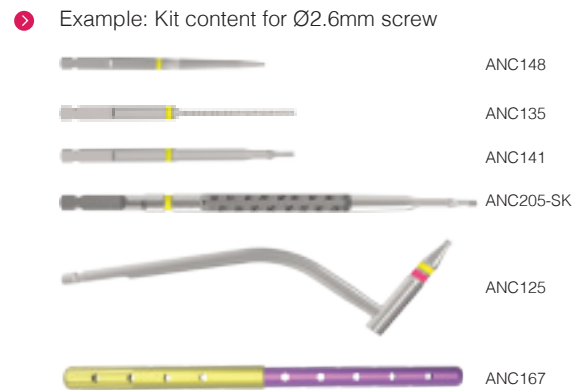
For all diameters	
Length gauge for Ø1.0mm wire - L 80mm	ANC108
Ø4.5mm AO quick coupling handle - Size 1	ANC350



→ REFERENCES OF INSTRUMENTS FOR CANNULATED SCREWS

	Ø2.25mm* Grey anodized	Ø2.6mm* Golden anodized	Ø3.0mm* Pink anodized
Hexagonal prehensor screwdriver	ANC104	ANC148	ANC139
Drill bit	ANC106	ANC135	ANC137
Countersink	ANC140	ANC141	ANC142
3-in-1 instrument	ANC204-SK	ANC205-SK	ANC206-SK
Wire guide	ANC105	ANC125	
Wires support	ANC166	ANC167	
Wires	33.0208.080	33.0210.080	

* Each instrument is marked with a silicone colour ring matching the colour code of the used screw:
 - Ø2.25mm: grey ring
 - Ø2.6mm: yellow ring
 - Ø3.0mm: purple ring



→ REFERENCES OF INSTRUMENTS FOR WEIL AND CHEVRON SCREWS

	Ø2.0mm* Weil screw Coppery anodized	Ø2.8mm* Chevron screw Blue anodized
Spatula for Weil screws	ANC145	
Hexagonal screwdriver	ANC161	ANC201
Countersink	ANC200	ANC202
Chevron cutting guide		ANC220 (right side) ANC221 (left side)

* Each instrument is marked with a silicone colour ring matching the colour code of the used screw:
 - Ø2.0mm - Weil screw: brown ring
 - Ø2.8mm - Chevron screw: blue ring



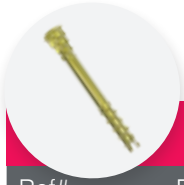
IMPLANTS REFERENCES



Ø2.25mm CANNULATED SCREW*
(K-wire Ø0.8mm)

Ref#	Description
H0.9HFT2.25L10	Ø2.25mm self drilling, self tapping, self compressive screw - L10mm
H0.9HFT2.25L12	Ø2.25mm self drilling, self tapping, self compressive screw - L12mm
H0.9HFT2.25L14	Ø2.25mm self drilling, self tapping, self compressive screw - L14mm
H0.9HFT2.25L16	Ø2.25mm self drilling, self tapping, self compressive screw - L16mm
H0.9HFT2.25L18	Ø2.25mm self drilling, self tapping, self compressive screw - L18mm
H0.9HFT2.25L20	Ø2.25mm self drilling, self tapping, self compressive screw - L20mm
H0.9HFT2.25L22	Ø2.25mm self drilling, self tapping, self compressive screw - L22mm
H0.9HFT2.25L24	Ø2.25mm self drilling, self tapping, self compressive screw - L24mm
H0.9HFT2.25L26	Ø2.25mm self drilling, self tapping, self compressive screw - L26mm
H0.9HFT2.25L28	Ø2.25mm self drilling, self tapping, self compressive screw - L28mm
H0.9HFT2.25L30	Ø2.25mm self drilling, self tapping, self compressive screw - L30mm
H0.9HFT2.25L32	Ø2.25mm self drilling, self tapping, self compressive screw - L32mm
H0.9HFT2.25L34	Ø2.25mm self drilling, self tapping, self compressive screw - L34mm

* Grey anodized.



Ø2.6mm CANNULATED SCREW*
(K-wire Ø1.0mm)

Ref#	Description
H1.1HFT2.6L10	Ø2.6mm self drilling, self tapping, self compressive screw - L10mm
H1.1HFT2.6L12	Ø2.6mm self drilling, self tapping, self compressive screw - L12mm
H1.1HFT2.6L14	Ø2.6mm self drilling, self tapping, self compressive screw - L14mm
H1.1HFT2.6L16	Ø2.6mm self drilling, self tapping, self compressive screw - L16mm
H1.1HFT2.6L18	Ø2.6mm self drilling, self tapping, self compressive screw - L18mm
H1.1HFT2.6L20	Ø2.6mm self drilling, self tapping, self compressive screw - L20mm
H1.1HFT2.6L22	Ø2.6mm self drilling, self tapping, self compressive screw - L22mm
H1.1HFT2.6L24	Ø2.6mm self drilling, self tapping, self compressive screw - L24mm
H1.1HFT2.6L26	Ø2.6mm self drilling, self tapping, self compressive screw - L26mm
H1.1HFT2.6L28	Ø2.6mm self drilling, self tapping, self compressive screw - L28mm
H1.1HFT2.6L30	Ø2.6mm self drilling, self tapping, self compressive screw - L30mm
H1.1HFT2.6L32	Ø2.6mm self drilling, self tapping, self compressive screw - L32mm
H1.1HFT2.6L34	Ø2.6mm self drilling, self tapping, self compressive screw - L34mm

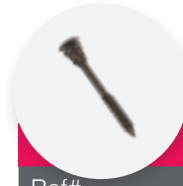
* Golden anodized.



Ø3.0mm CANNULATED SCREW*
(K-wire Ø1.0mm)

Ref#	Description
H1.1HFT3.0L10	Ø3.0mm self drilling, self tapping, self compressive screw - L10mm
H1.1HFT3.0L12	Ø3.0mm self drilling, self tapping, self compressive screw - L12mm
H1.1HFT3.0L14	Ø3.0mm self drilling, self tapping, self compressive screw - L14mm
H1.1HFT3.0L16	Ø3.0mm self drilling, self tapping, self compressive screw - L16mm
H1.1HFT3.0L18	Ø3.0mm self drilling, self tapping, self compressive screw - L18mm
H1.1HFT3.0L20	Ø3.0mm self drilling, self tapping, self compressive screw - L20mm
H1.1HFT3.0L22	Ø3.0mm self drilling, self tapping, self compressive screw - L22mm
H1.1HFT3.0L24	Ø3.0mm self drilling, self tapping, self compressive screw - L24mm
H1.1HFT3.0L26	Ø3.0mm self drilling, self tapping, self compressive screw - L26mm
H1.1HFT3.0L28	Ø3.0mm self drilling, self tapping, self compressive screw - L28mm
H1.1HFT3.0L30	Ø3.0mm self drilling, self tapping, self compressive screw - L30mm
H1.1HFT3.0L32	Ø3.0mm self drilling, self tapping, self compressive screw - L32mm
H1.1HFT3.0L34	Ø3.0mm self drilling, self tapping, self compressive screw - L34mm
H1.1HFT3.0L36	Ø3.0mm self drilling, self tapping, self compressive screw - L36mm
H1.1HFT3.0L38	Ø3.0mm self drilling, self tapping, self compressive screw - L38mm
H1.1HFT3.0L40	Ø3.0mm self drilling, self tapping, self compressive screw - L40mm

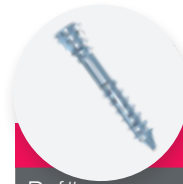
* Purple anodized.



Ø2.0mm WEIL SCREW*

Ref#	Description
WT2.0L08	Ø2.0mm Weil screw - L8mm
WT2.0L09	Ø2.0mm Weil screw - L9mm
WT2.0L10	Ø2.0mm Weil screw - L10mm
WT2.0L11	Ø2.0mm Weil screw - L11mm
WT2.0L12	Ø2.0mm Weil screw - L12mm
WT2.0L13	Ø2.0mm Weil screw - L13mm
WT2.0L14	Ø2.0mm Weil screw - L14mm
WT2.0L15	Ø2.0mm Weil screw - L15mm

* Coppery anodized.



Ø2.8mm CHEVRON SCREW*

Ref#	Description
WT2.8L16	Ø2.8mm Chevron screw - L16mm
WT2.8L18	Ø2.8mm Chevron screw - L18mm
WT2.8L20	Ø2.8mm Chevron screw - L20mm
WT2.8L22	Ø2.8mm Chevron screw - L22mm
WT2.8L24	Ø2.8mm Chevron screw - L24mm
WT2.8L26	Ø2.8mm Chevron screw - L26mm
WT2.8L28	Ø2.8mm Chevron screw - L28mm

* Blue anodized.

OPTIONAL IMPLANTS : STAPLES

Ref#	Description
80	90° staple - width 8mm
81	90° staple - width 10mm
82	26° staple - width 8mm
83	26° Staple - width 10mm

Remark :



Please note that all implants are also available in sterile packaging.
The Sosafe tube packaging is handy and easy to use.
An 'ST' code is added at the end of the reference.
Ex : «H1.1HFT2.6L12-ST»



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