INAXIS.



NEUTRALIZATION EXTREMITY SCREWS



INAXIS.

Ø2.0, Ø3.0 AND Ø4.0 MM SCREWS FOR PHALANGEAL AND METACARPAL FRACTURES

Intended purpose:
Implants of the Stand-Alone Screws range are intended for fractures fixation, osteotomies and arthrodeses of bones in adults, appropriate for the size of the device.

Contraindications:

- Pregnancy.
- Acute or chronic local or systemic infections.
- Allergy to one of the materials used or sensitivity to foreign bodies.

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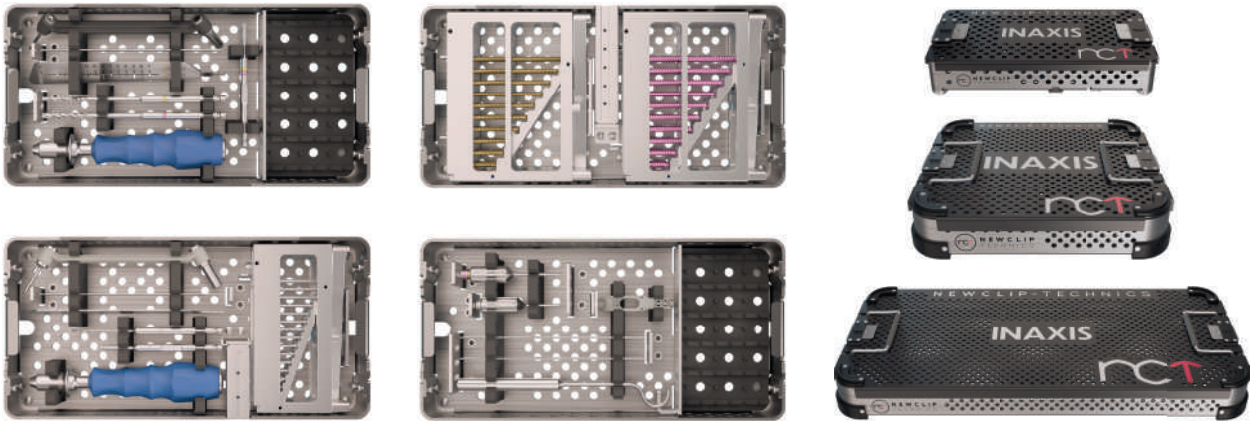
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Two formats for different use settings.

A REUSABLE SET

- A single general instrumentation module for both Ø3.0 and Ø4.0 mm screws.
- A dedicated general instrumentation module for Ø2.0 mm screws, including the screw rack.



A SINGLE-USE STERILE SOLUTION

Newclip Technics also offers a range of single-use sterile kits with ready-to-use instruments and implants.



TRACEABILITY

- Easiest traceability with detailed label sheets.
- Easy inventory management.
- Streamlining of logistic monitoring for nurses and pharmacists.

EFFICIENCY

- No sterilization costs for hospitals.
- Less transportation costs.
- Reduced operative costs[3].
- Reduced perioperative time[4].
- Reduced receiving and handling costs.
- Increased turnover in the OR[4].

RESPONSIBILITY

- External packaging in recyclable cardboard.
- Dematerialized instructions for use.
- Less CO2 emissions during manufacture and use than a reusable kit[6].

SAFETY

- Reduced risk of contamination[1].
- Reduced risk of a bacterian biofilm formation[2].
- New instruments for each surgery.

AVAILABILITY

- Equipment availability: no restocking and waiting time.
- Shorter and easiest process[5].
- Full range of latest-generation implants in sterile format.
- No interruption of preoperative flow[3].

PRACTICALITY

- Immediate identification and intuitive use.
- Ergonomic format for gears.
- Simplified orderings.

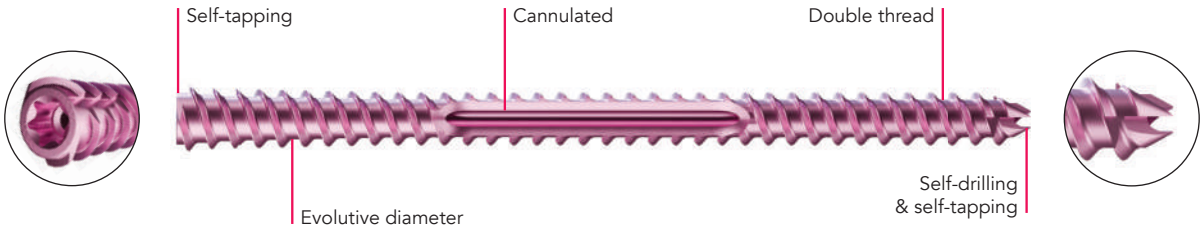
(1) Mont et al. Single-use instrumentation, cutting blocks, and trials decrease contamination during total knee arthroplasty: a prospective comparison of navigated and nonnavigated cases. J Knee Surg. 2013;26(4):285–290. - (2) Costa D de M, Lopes LK de O, Tipple AFV, Johani K, Hu H, Deva AK, et al. Evaluation of stainless-steel surgical instruments subjected to multiple use/processing. Infect Dis Heal. 2018;23(1):3–9. - (3) Shippert RD. A Study of Time-Dependent Operating Room Fees and How to save $100 000 by Using Time-Saving Products. Am J Cosmet Surg. 2005;22(1):25–34. - (4) Siegel GW et al., Cost Analysis and Surgical Site Infection Rates in Total Knee Arthroplasty Comparing Traditional vs. Single-Use Instrumentation. J Arthroplasty. 2015;30(12):2271–4. - (5) Matron P., Etude comparative économique et pratique de plaques d'ostéosynthèse de l'extrémité distale du radius présentées individuellement et en kit stérile "tout en un" dans un établissement de santé privé, 2016, 1-21. - (6) "Empreinte carbone comparée de deux dispositifs médicaux implantables" - Etude Carbon 4.

Technical features.

SCREW FEATURES

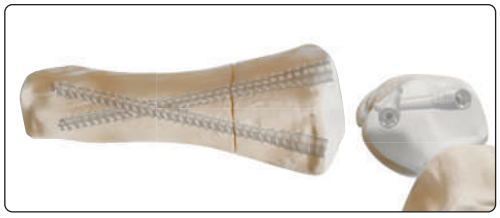
NEUTRALIZATION EXTREMITY SCREWS

- Available in three diameters: **Ø2.0, Ø3.0 and Ø4.0 mm.**
- Cannulated screws **for a guided placement** (Ø0.9 mm for Ø2.0 mm screws; Ø1.3 mm for Ø3.0 and Ø4.0 mm screws).
- **Non-compressive design** avoids shortening in transverse, oblique or spiral fractures.
- **Self-drilling**: the shape of the distal tip of the screws allows self-drilling properties.
- **Self-tapping**: the tip and the head of the screws have been designed with self-tapping shape.
- **Double thread**: facilitates insertion for surgical efficiency.
- **Evolutive diameter** to maximize the anchorage in the cortical and optimize filing of the isthmus.
- **Hexalobular screw recess** (T7 for Ø2.0 mm screws; T10 for Ø3.0 and Ø4.0 mm screws).



FOCUS ON Ø2.0 MM SCREWS

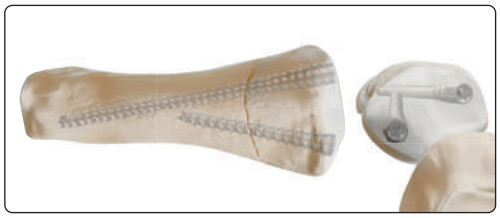
MULTIPLE CONSTRUCT OPTIONS FOR PHALANGEAL FRACTURE REDUCTION



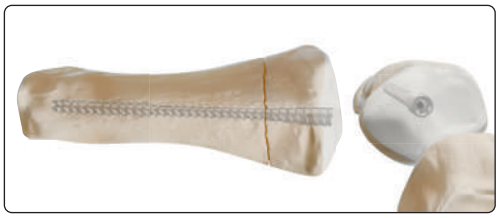
X CONSTRUCT



V CONSTRUCT



MODIFIED Y CONSTRUCT



SIMPLE CONSTRUCT

INSTRUMENT FEATURES

GENERAL INSTRUMENTATION DESIGNED TO SUPPORT SURGICAL PROCEDURES

- Dedicated **color-coded drill bits and screwdrivers** corresponding to the screw diameter(1).
- **2-in-1 length gauge and template** for screw **length** definition, with tip for correct screw **diameter** selection according to the isthmus(2).
- **A single cannulated screwdriver for Ø3.0 and Ø4.0 mm screws,** with hexalobular screw recess, compatible with a power tool or handle(3).

(1)



(2)



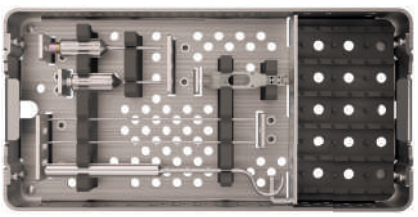
(3)



SPECIFIC INSTRUMENTATION FOR ALL SCREW DIAMETERS

Reduction tools:

- Designed **to support fragment alignment and fracture reduction.**
- **Cannulated instruments** for guided placement over the K-wire (cannula of Ø0.9 mm for Ø2.0 mm screws; Ø1.3 mm for Ø3.0 and Ø4.0 mm screws).
- **Pointed tip** allowing insertion into the first cortex without drilling.
- **Color-coded system** with colored rings enabling efficient selection of instruments matching the corresponding screws during surgery.







Wire guide for extremity bone cerclage:

- Designed for **metacarpal cerclage.**
- Window with a diameter of 1.4 mm for suture thread*



(*) Compatible with suture wires with a diameter of Ø1.3 mm (USP 10 or Ph. Eur.13) or less.

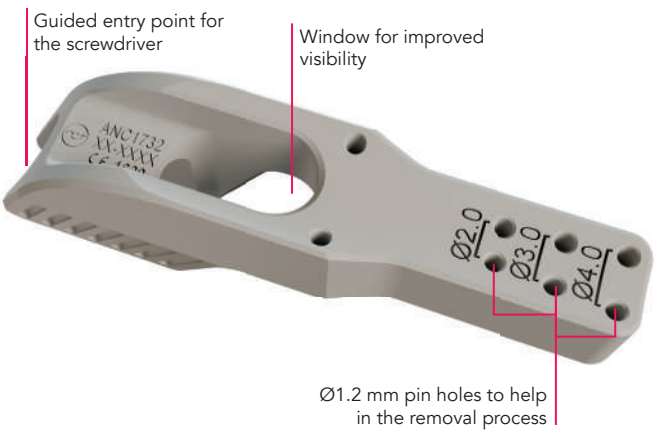
Insertion and removal guide:

- Double function:
  - **Facilitates screw insertion** in case of **rotational disorders.**
  - **Supports removal** by providing anchorage when the screw spins freely due to **loss of cortical purchase.**
  - Radiolucent instrument.
  - Compatible with all **screw diameters** in the range (Ø2.0, Ø3.0 and Ø4.0 mm).

INSERTION FUNCTION:



REMOVAL FUNCTION:

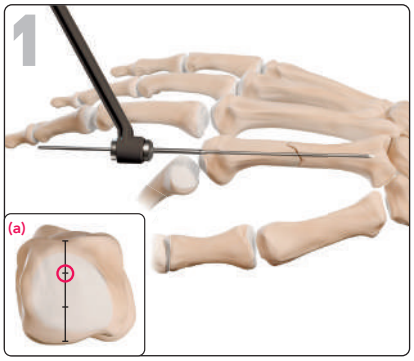


Surgical techniques.

PHALANGEAL OR METACARPAL FRACTURE REDUCTION

This technique is applicable to all screw diameters within the range. The example illustrates the implantation of an H1.3GL4.0LxxDL screw using reusable instrumentation, but it is also applicable to single-use instrumentation. The example illustrates a retrograde approach in the metacarpal. For phalangeal fixation, both anterograde and retrograde approaches may be performed using our instrumentation.

USE OF GENERAL INSTRUMENTATION



Position the double guide (ANC1566), then, insert the pin (ANC1570) through the pin guide until the desired depth is reached.

Remove the double guide.

N.B: The pin guide entry point should be in the dorsal third of the metacarpal head(a).



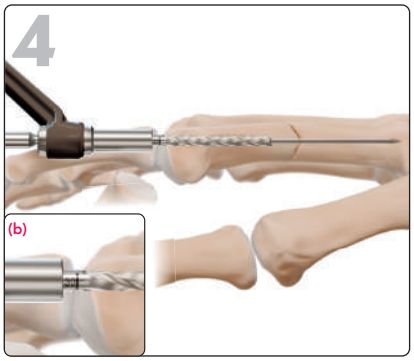
Position the extremity of the length gauge (ANC1531) on the isthmus to determine the screw diameter.

N.B: A fluoroscopy can be performed to determine the screw diameter by comparing it with the shaped widths.



Hold the length gauge (ANC1531) against the pin and the cortex.

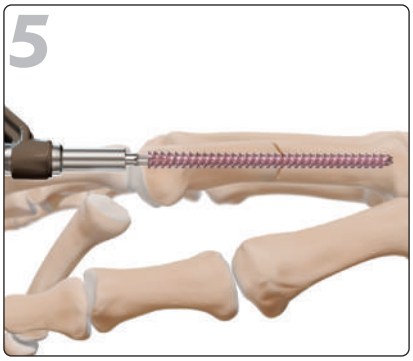
Read the insertion depth at the rear of the pin.



Select the drill bit corresponding to the screw diameter (same color code - ANC1497 or ANC1729).

To prevent the pin removal during the drilling step, drill up to the isthmus through the protection sleeve of the double guide.

N.B: The drilling depth can be checked using the marking on the drill, at the rear of the cortex(b).



Select the appropriate screw determined in steps 2 and 3.

By using the appropriate color-coded screwdriver (ANC1562 in this case), insert the screw along the pin through the protection sleeve of the double guide until the screw head is buried. Final tightening of the screw must be performed by hand.

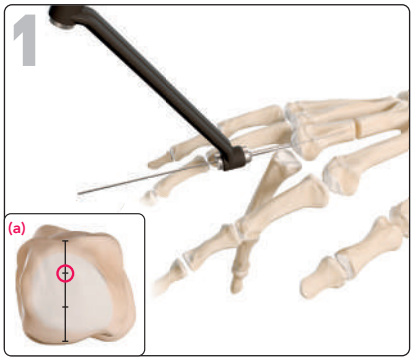
Then, remove the pin and the double guide.

FINAL RESULT.



OPTION - USE OF THE REDUCTION TOOL

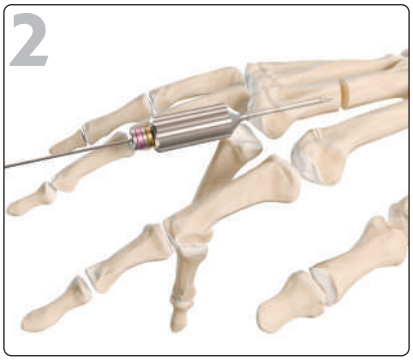
This technique is applicable to all screw diameters within the range. These steps are optional and should be performed before to the surgical technique presented on the previous page. The following steps are illustrated using ANC1731; a reduction tool for Ø3.0 and Ø4.0 mm screws. They are also applicable to ANC1798; a reduction tool for Ø2.0 mm screws.



Position the double guide (ANC1566), then, insert the pin (ANC1570) through the pin guide up to the first fragment.

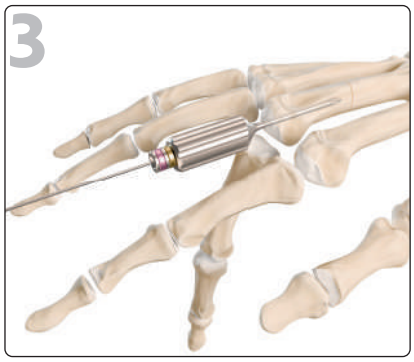
Remove the double guide.

N.B: The pin guide entry point should be in the dorsal third of the metacarpal head[(a)].

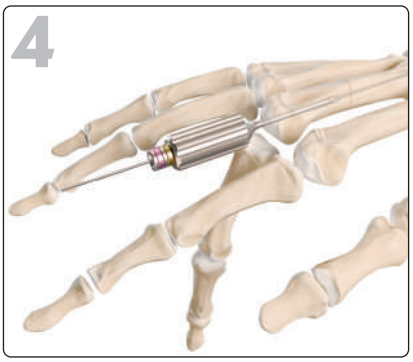


Position the reduction tool corresponding to the screw diameter (ANC1731 in this case) over the pin and insert it into the first fragment.

N.B: The color code should match between the screw and the reduction tool.



Move the reduction tool to reduce the fracture, then hold the instrument in place.



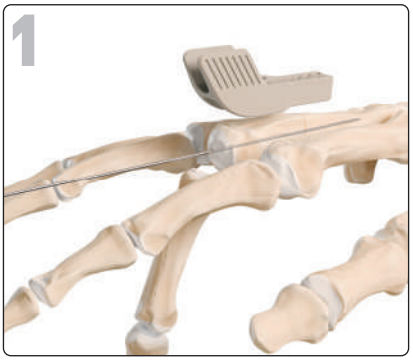
Insert the pin further, up to the second fragment, to fix the fracture temporarily fixed by the reduction tool.

Remove the reduction tool by sliding it along the pin.

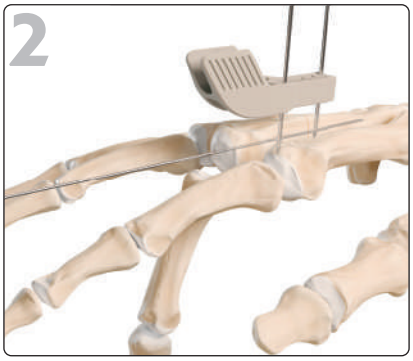
OPTION - USE OF THE INSERTION AND REMOVAL GUIDE

This technique is applicable to all screw diameters within the range. These steps are optional.

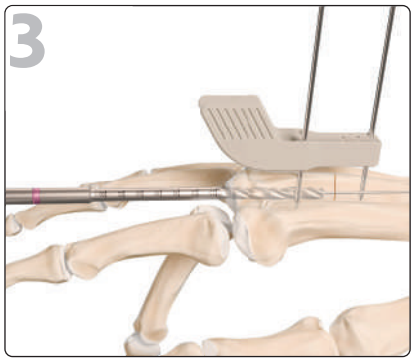
INSERTION FUNCTION



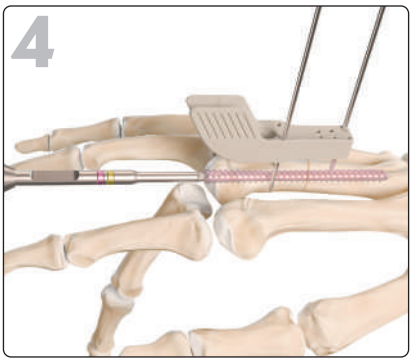
After measuring the screw length (see Surgical Technique page 8), position the guide (ANC1732) on the dorsal side of the bone, over the skin, to prevent rotational disorders.



Insert a Ø1.2 mm pin (ANC1570) into one of the most distal hole, then insert a second pin into the opposite proximal hole, across the fracture line.



Use the drill bit corresponding to the screw diameter (same color code - ANC1561, ANC1497 or ANC1729) to drill up to the isthmus.



Insert the screw using the screwdriver until the head is buried.

Then, remove all pins and the insertion and removal guide.

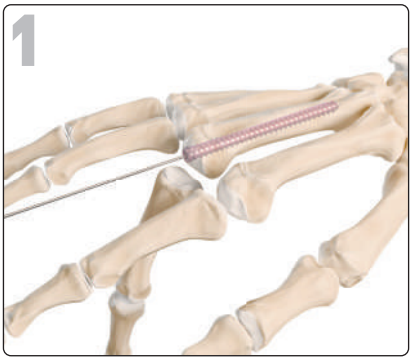
FINAL RESULT.



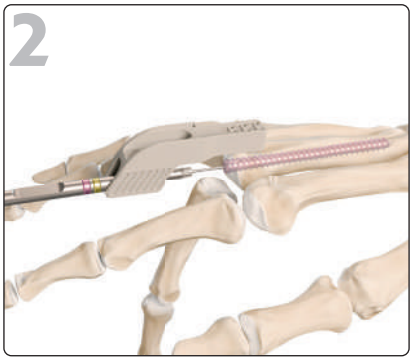
OPTION - USE OF THE INSERTION AND REMOVAL GUIDE

This technique is applicable to all screw diameters within the range. These steps are optional.

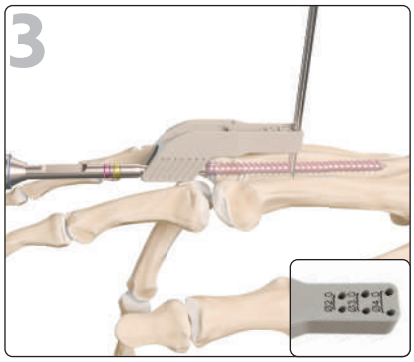
REMOVAL FUNCTION



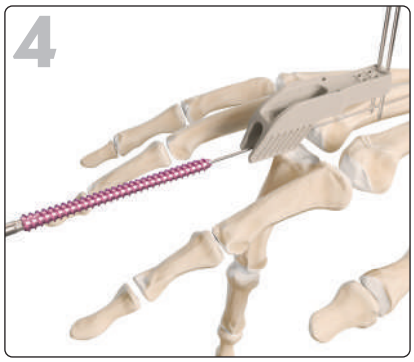
Insert a pin (ANC1535 or ANC1570) into the screw cannula.



Place the screwdriver into the removal tool (ANC1732) through the dedicated entry point, then insert the screwdriver into the screw recess along the pin.



Position the removal tool on the dorsal side of the bone, over the skin. Insert two pins into the dedicated holes (see laser markings), depending on the screw diameter.



Use the screwdriver to extract the screw.

Then, remove the pins and the removal guide.

FINAL RESULT.

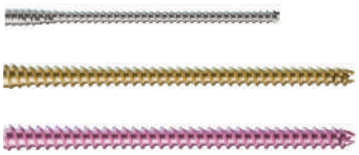


Screw references.

Note: All implants are also available in sterile packaging. A "-ST" code is added at the end of the reference.
Example : H1.3GLT3.0L25D-ST.

Neutralization extremity screws

Ref.	Description
H0.9GLT2.0L12D to H0.9GLT2.0L40D	Ø2.0 mm neutralization extremity screw* - cannula Ø0.9 - full thread - L12 to 40 mm - 2mm increments
H1.3GLT3.0L25D to H1.3GLT3.0L70D	Ø3.0 mm neutralization extremity screw** - cannula Ø1.3 - full thread - L25 to 70 mm - 5mm increments
H1.3GLT4.0L25D to H1.3GLT4.0L70D	Ø4.0 mm neutralization extremity screw*** - cannula Ø1.3 - full thread - L25 to 70 mm - 5mm increments



*Not anodized
**Gold anodized
***Pink anodized

IMPLANT REMOVAL

For any removal of Inaxis material, make sure to order one of the two Newclip Technics removal solutions listed below.

Reusable removal set

Ref.	Description	Qty
ANC042	Mini set – Base 1	1
ANC350	Ø4.5 mm AO quick coupling handle - Size 1	1
ANC1369	Pin Ø0.6 - L100 mm	2
ANC1561	T7 prehensor quick coupling screwdriver - cannulated Ø0.9 mm	1
ANC1562	T10 prehensor quick coupling screwdriver - cannulated Ø1.3 mm	1
ANC1570	Pin Ø1.2 - L120 mm	2
ANC1893	T10 screwdriver with AO quick coupling system	1
ANC167L	Pins support for Ø1.0 mm pin - Long	1
ANC1840	Pins support for Ø0.6 mm pin	1



Single-use removal kit

Ref.	Description	Content
KIT-REMOVE-9	Removal kit for T7 hexalobe	T7 prehensor screwdriver (x1) Pin Ø0.8 - L90 mm (x2)
KIT-REMOVE-10	Removal kit for T10 hexalobe	T10 prehensor screwdriver (x1) Pin Ø1.2 - L120 mm (x2)



Instrument references.

SINGLE-USE KIT - INITIAL S INAXIS Ø2.0 MM SCREWS

Single-use sterile kit

#	Ref.	Description
01	KIT-SCE2.0H	Instrumentation kit for Ø2.0 mm cannulated extremity screws - Hand

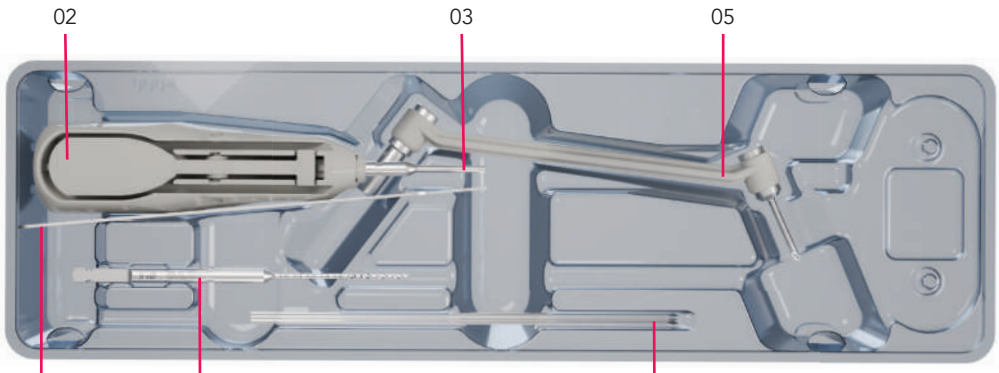


01

Sterile instrumentation kit content

#	Description	Qty
02	Single use handle	1
03	T7 prehensor quick coupling screwdriver - cannulated Ø0.9 mm	1
04	Ø1.6 mm quick coupling drill bit - cannula Ø0.9 mm - L100 mm	1
05	Double guide - Ø0.9 mm pin guide / soft tissues protection sleeve for extremity screws	1
06	Length gauge for pin L120 mm / template for extremity screws*	1
07	Pin Ø0.8 mm - L120 mm*	3

*Also available alone in sterile packaging with the reference "ANC1531-ST" / "ANC1535-ST"



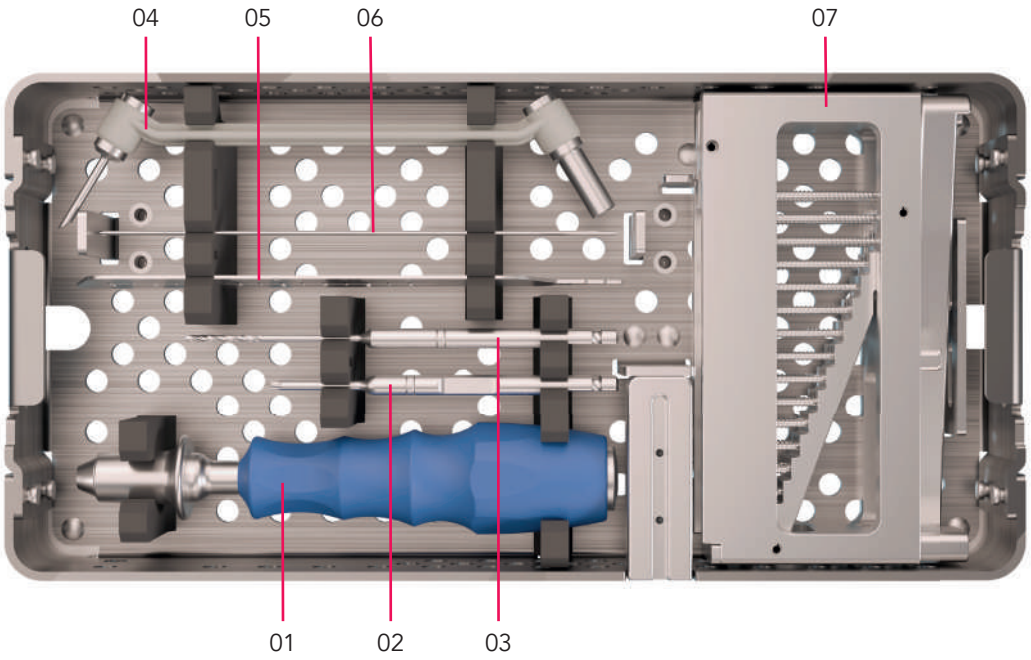
KIT-SCE2.0H

REUSABLE SET - Ø2.0 MM SCREWS

Reusable instrumentation set

#	Ref.	Description	Qty
01	ANC350	Ø4.5 mm AO quick coupling handle - Size 1	1
02	ANC1561	T7 prehensor quick coupling screwdriver - cannulated Ø0.9 mm	2
03	ANC1496*	Ø1.6 mm quick coupling drill bit - cannula Ø0.9 mm - L100 mm	2
04	ANC1565	Ø0.9 mm pin guide / soft tissues protection sleeve for extremity screws	1
05	ANC1531	Length gauge for pin L120 mm / template for extremity screws	1
06	ANC1535	Pin Ø0.8 - L120 mm	3
07	ANC1572/R1	InAxis set - Ø2.0 mm screws - Screw rack	1

*Also available alone in sterile packaging with the reference "ANC1496-ST"



SINGLE-USE KIT - INITIAL S INAXIS Ø3.0 & Ø4.0 MM SCREWS

Single-use sterile kit

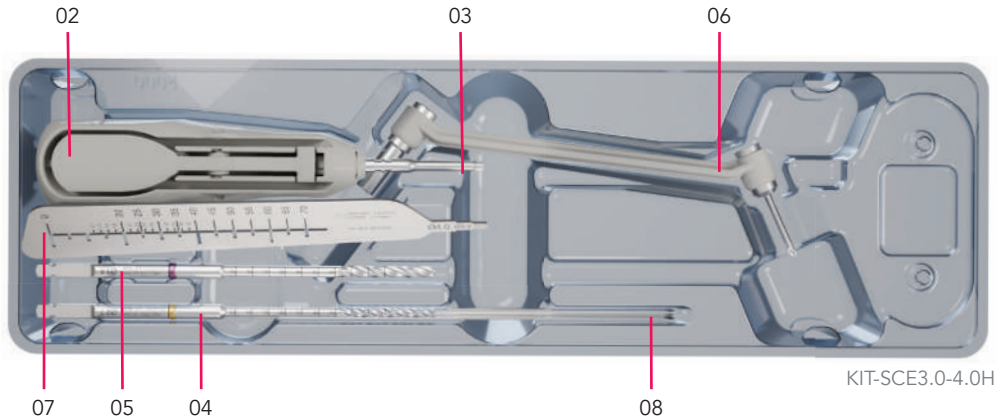
#	Ref.	Description
01	KIT-SCE3.0-4.0H	Instrumentation kit for Ø3.0 mm and Ø4.0 mm cannulated extremity screws - Hand



Sterile instrumentation kit content

#	Description	Qty
02	Single use handle	1
03	T10 prehensor quick coupling screwdriver - cannulated Ø1.3 mm	1
04	Ø2.7 mm quick coupling drill bit - cannula Ø1.3 mm - L120 mm	1
05	Ø3.5 mm quick coupling drill bit - cannula Ø1.3 mm - L120 mm	1
06	Double guide - Ø1.3 mm pin guide / soft tissues protection sleeve for extremity screws	1
07	Length gauge for pin L120 mm / template for extremity screws*	1
08	Pin Ø1.2 mm - L120 mm*	3

*Also available alone in sterile packaging with the reference "ANC1531-ST" / "ANC1570-ST"



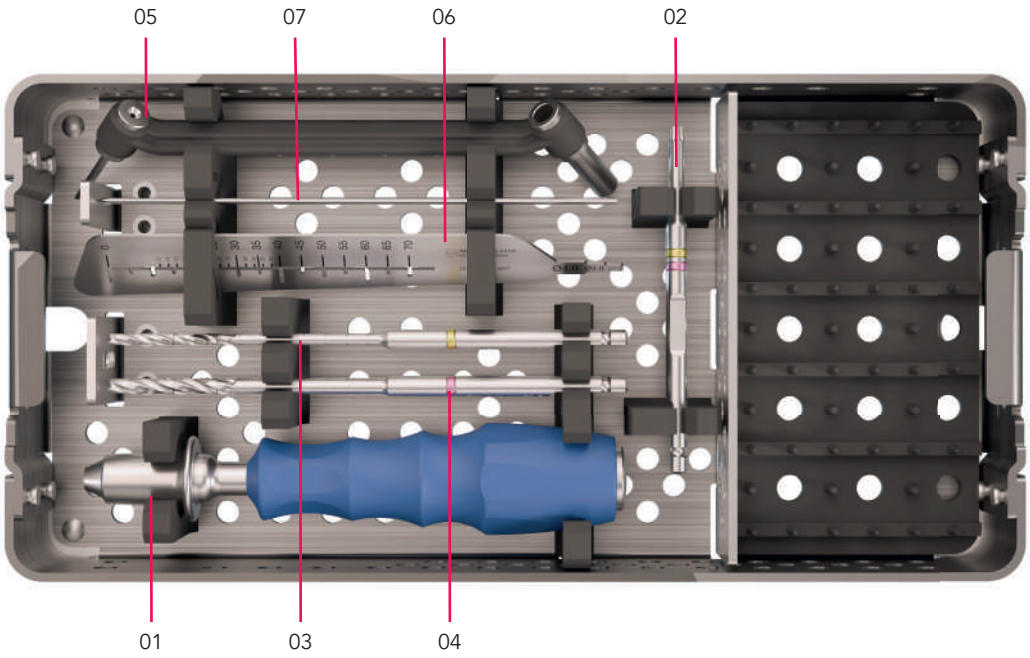
KIT-SCE3.0-4.0H

REUSABLE SET - Ø3.0 & Ø4.0 MM SCREWS

Reusable instrumentation set

#	Ref.	Description	Qty
01	ANC350	Ø4.5 mm AO quick coupling handle - Size 1	1
02	ANC1562	T10 prehensor quick coupling screwdriver - cannulated Ø1.3 mm	2
03	ANC1497*	Ø2.7 mm quick coupling drill bit - cannula Ø1.3 mm - L120 mm	2
04	ANC1729*	Ø3.5 mm quick coupling drill bit - cannula Ø1.3 mm - L120 mm	2
05	ANC1566	Ø1.3 mm pin guide / soft tissues protection sleeve for extremity screws	1
06	ANC1531	Length gauge for pin L120 mm / template for extremity screws	1
07	ANC1570	Pin Ø1.2 - L120 mm	3

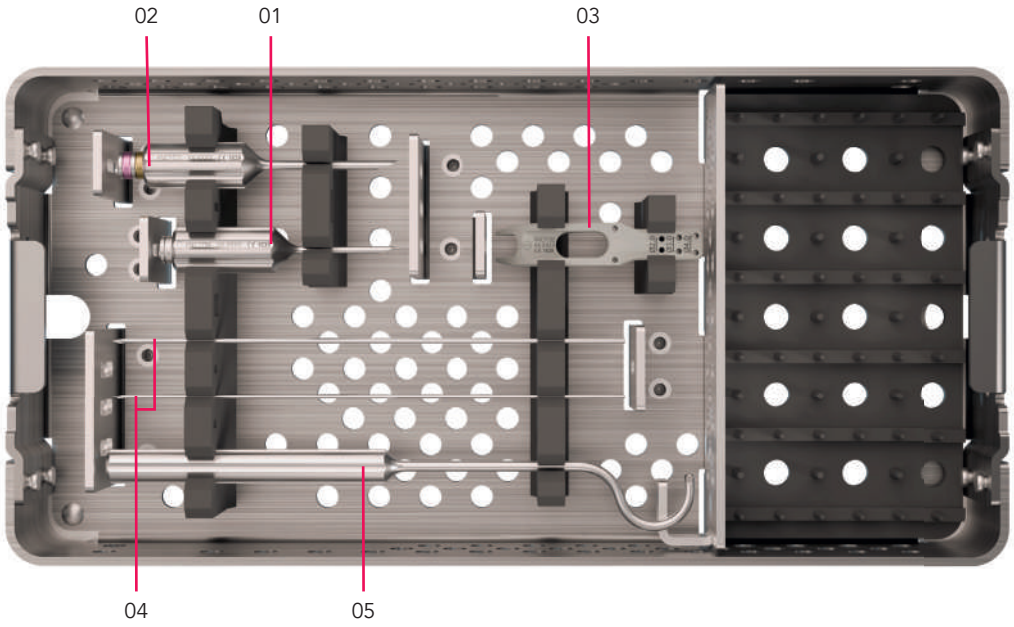
*Also available alone in sterile packaging with the reference "ANC1497-ST" / "ANC1729-ST"



SPECIFIC INSTRUMENTATION

Reusable instrumentation set

#	Ref.	Description	Qty
01	ANC1798	Reduction tool - cannula Ø0.9 mm	1
02	ANC1731	Reduction tool - cannula Ø1.3 mm	1
03	ANC1732	Insertion and removal guide for Ø2.0, Ø3.0 and Ø4.0 mm extremity screws	1
04	ANC1570	Pin Ø1.2 - L120 mm	4
05	ANC1733	Wire guide for extremity bones cerclage - Ø1.2 mm	1



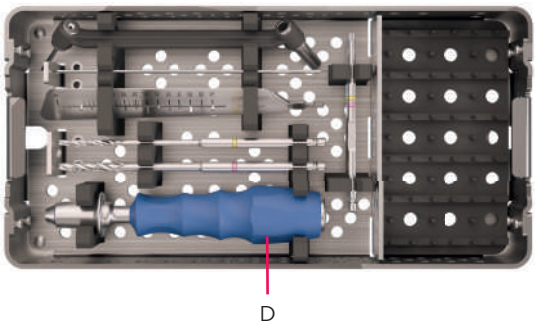
This information is intended to demonstrate the Newclip Technics portfolio of medical devices. Always refer to the package insert, product label and/or user instructions including cleaning and sterilization before using any Newclip Technics product.These products must be handled and/or implanted by trained and qualified staff who have read the instructions before use. A surgeon must always rely on her or his own professional clinical judgement when deciding whether to use a particular product when treating a particular patient. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Newclip Technics representative if you have questions about the availability of Newclip Technics products in your area.

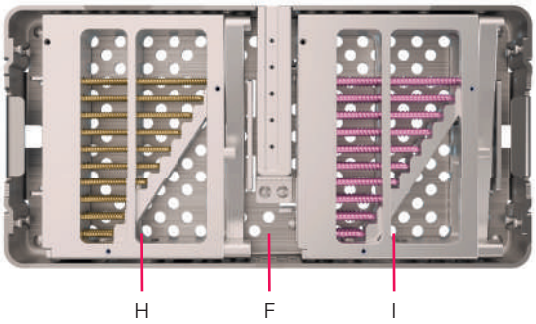
Manufacturer: Newclip Technics - Brochure EN - Inaxis - Ed7 - 09/2026 - Medical devices: class IIb - CE1639 SGS BE - Read labelling and instructions before the use of Newclip Technics medical devices. These products must be handled and/or implanted by trained and qualified staff who have read the instructions before use. Non-contractual pictures.
Newclip Technics - 45 rue des Garottières - 44115 Haute Goulaine, France. Our subsidiaries: Newclip USA - Newclip Australia - Newclip GMBH - Newclip Japan - Newclip Iberia - Newclip Belgium - Newclip Italia - Newclip UK.

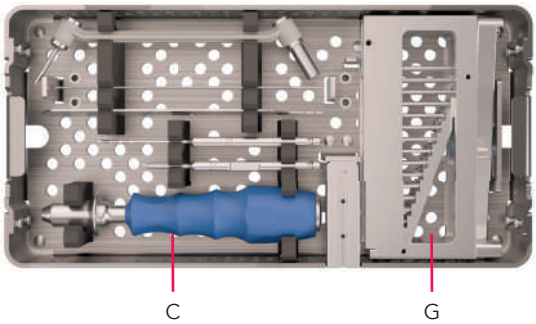
Container references.

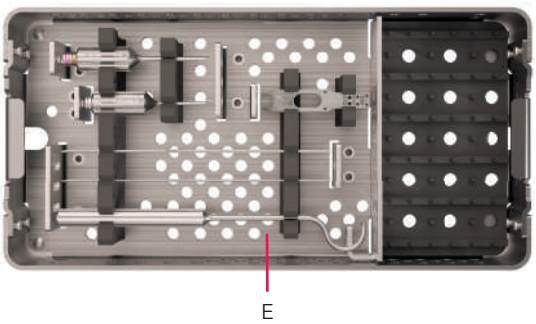
Reusable set

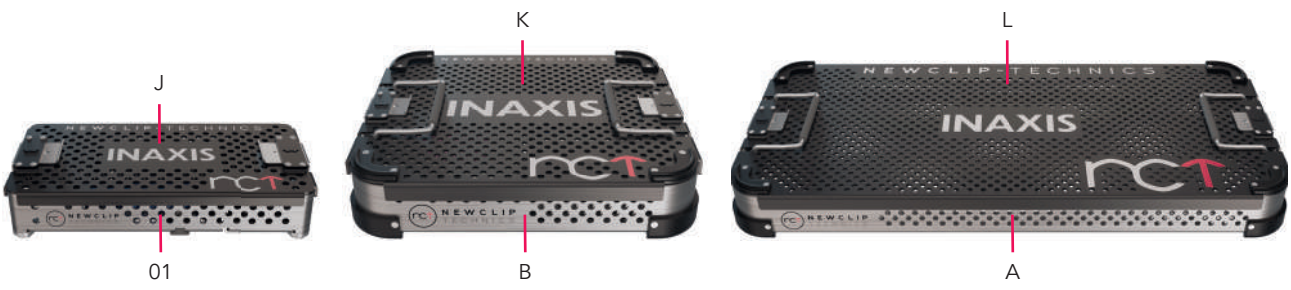
#	Ref.	Description
A	ANC1434/B1	Set - 1 level - Size 1 - Base
B	ANC1434/B4	Set - 1 level - Size 1/2 - Base
C	ANC1572/B1	InAxis set - Ø2.0 mm screws - Base
D	ANC1572/B2	InAxis set - Ø3.0 & Ø4.0 mm instrumentation - Base
E	ANC1572/B3	InAxis set - Specific instrumentation - Base
F	ANC1572/B4	InAxis set - Ø3.0 & Ø4.0 mm screws - Base
G	ANC1572/R1	InAxis set - Ø2.0 mm screws - Screw rack
H	ANC1572/R2	InAxis set - Ø3.0 mm screws - Screw rack
I	ANC1572/R3	InAxis set - Ø4.0 mm screws - Screw rack
J	ANC1572/C1	InAxis set - Size 1/4 - Lid
K	ANC1572/C2	InAxis set - Size 1/2 - Lid
L	ANC1573/C	InAxis set - Size 1 – Lid
/	ANC1799/C	InAxis set - Size 3/4 - Lid











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