airlock®

FOOT
Plating System

BROCHURE

FOREFOOT
MIDFOOT
REARFOOT

. **Complete** platform
. **Low profile plates** adapted to each indication
. **Presslock**® technology

Creating Better Together™

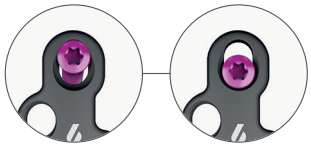
novastep® IS NOW PART OF enovis™ *FOOT & ANKLE*

airlock®
Plating System

The Airlock® plating system is a range of osteosynthesis plates for the forefoot, midfoot and rearfoot, made of TA6V ELI Titanium alloy. It combines a low profile plate design **dedicated to each indication**, a **compression hole**, and a **monoaxial** and **polyaxial** screw system to ensure a stable and rigid fixation.
The **Presslock® technology** provides a locking compression hole that ensures a stable construct.

The Airlock® solution

Low Profile design > Plates thickness optimized according to the indications to limit subcutaneous discomfort.



1 Standard compression hole
. Accomodates with Ø3 non-locking screws
. Delivers 1.5 mm of additional compression
. Corresponds to areas with high bone density

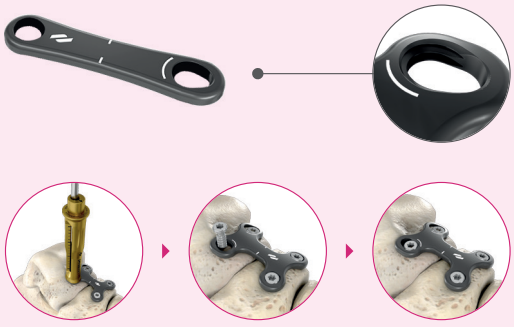
2 Threaded holes
For locking or non-locking screws

3 Visual alignement guide for arthrodesis line
Precise positioning of the plate in relation to the arthrodesis line

4 Visual alignement guide for compressive plantar screw
Helps the MTP plate positioning in relation to the interfragmentary screw

Presslock® innovation - Patented

. Locking compression hole for Ø3.5 mm locking screw.
. Allows for an additional 1.5 mm compression before locking into a threaded hole, providing strength and stable fixation.



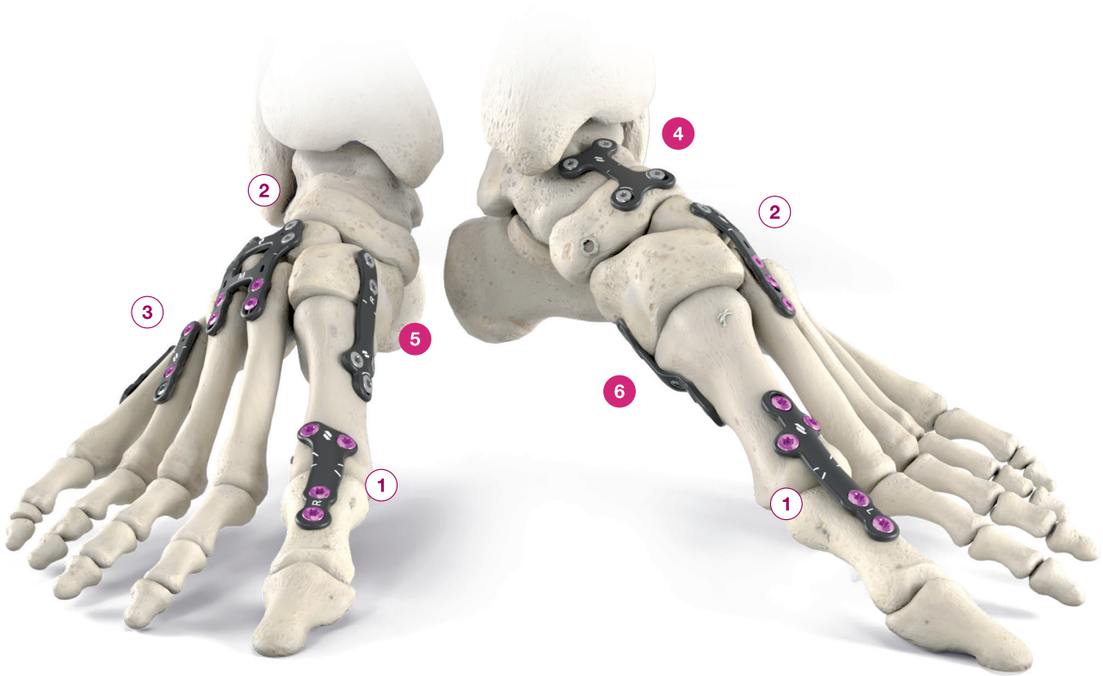
Presslock® 3 step procedure: drill, compress & lock

presslock®
Compression Plates

Available on

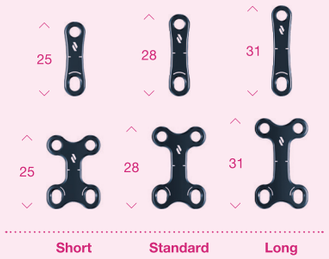
Fusion | Lapidus | Plantar Lapidus

Airlock® range



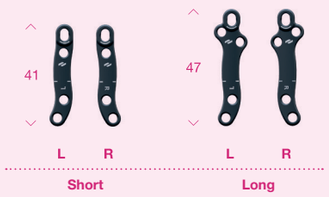
presslock®
Compression Plates

FUSION 4



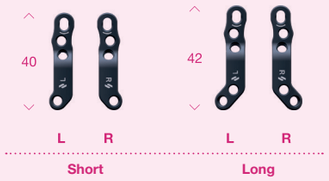
Straight plates
H plates
. Thickness: 1.6 mm
. Presslock® compression locking holes

LAPIDUS 5



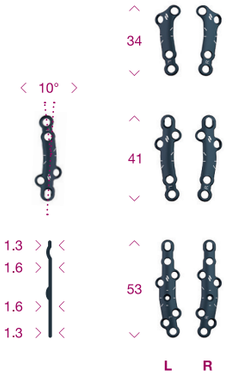
Short plates
Long plates
. Thickness*: 1.3 mm
*Thickness increases to 1.6 mm in the Presslock® hole area
. Presslock® compression locking hole

PLANTAR LAPIDUS 6



Short plates
Long plates
. Thickness: 1.6 mm
. Presslock® compression locking hole

MTP 1

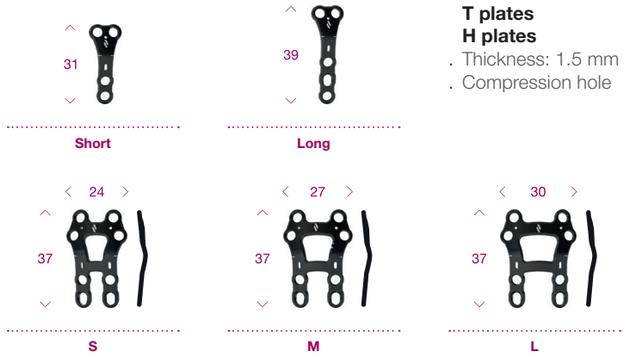


Short
. Thickness: 1.3 mm

Medium
. Thickness: 1.3 mm
. Compression hole

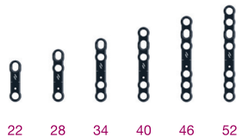
Long
. Thickness: varies from 1.3 mm to 1.6 mm along the joint line
. Compression hole
. Central port hole allows for graft insertion and snap-off screw

LISFRANC 2



T plates
H plates
. Thickness: 1.5 mm
. Compression hole

UTILITY 3



6 versions
2, 3, 4, 5, 6 & 7 holes
. Thickness: 1.5 mm
. Compression hole

MT BASE

Closing wedge
0 mm Wedge
Opening wedge
3, 4 & 5 mm Wedge
. Thickness: 1 mm

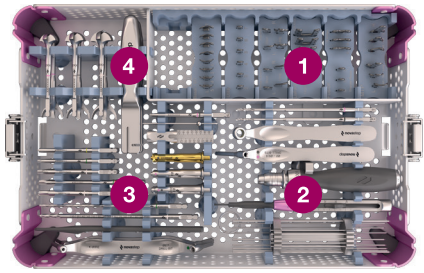
MONOAXIAL & POLYAXIAL SYSTEM

Locking & non locking screws Ø 3 & 3.5 mm

. Polyaxial non-locking screws
. Monoaxial locking screws
. Conical head
. Self-tapping
. Self-retaining driver / screw interface

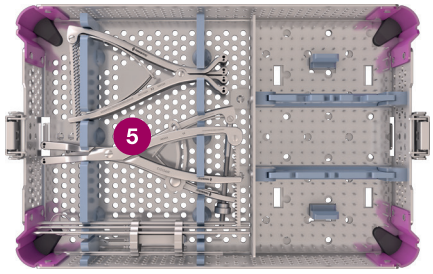
Complete & modular plateform

Used together or separately, these instrument trays allow a comprehensive approach to the various indications of foot surgery.



Airlock® tray

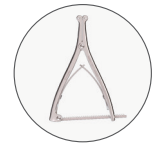
1. **Trial plates**
2. **Airlock® instrumentation**
   Windowed drill-guide: direct reading of the required screw length
3. **Nexis® & PECA®-C instrumentation**
4. **Benders & Reamers**



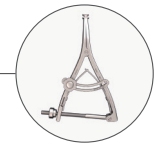
Distractors & compressor tray

5. **Distractors & compressor**

Open Arm Distractor

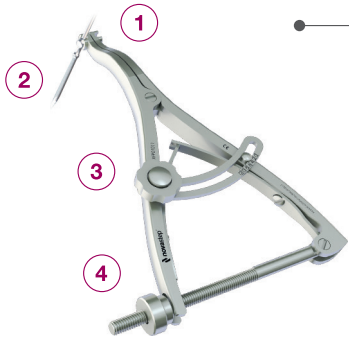


Closed Arm Distractor



Opening Wedge Distractor

Compressive Forceps



① Anatomical wedge-shaped opening
Made possible by the ball-and-socket joint on the dedicated threaded K-Wires

② Opening Wedge threaded K-wires
Allow a stable opening and a distraction close to the bone

③ Easy to measure the opening
After K-wires insertion adjust the initial position to 0 mm
The sliding graduated ruler allows 0-12 mm sizing increments

④ Easy and precise adjustment
Of the opening, fixed by a screwed wheel

References

The osteosynthesis screw-plate systems are indicated for arthritis (Hallux Rigidus, Osteoarthritis), Hallux valgus and other bone alignment defaults (Hallux Varus, Flatfoot, Cavus foot).

MTP

Reference	Designation
PL010134 / 234	Short - Right / Left
PL010140 / 240	Medium - Right / Left
PL010152 / 252	Long - Right / Left

Lisfranc

Reference	Designation
PL050101	T - Short
PL050102	T - Long
PL050201	H - Small
PL050202	H - Medium
PL050203	H - Large

Utility

Reference	Designation
PL040016	2 Holes, Length 16
PL040022	3 Holes, Length 22
PL040028	4 Holes, Length 28
PL040034	5 Holes, Length 34
PL040040	6 Holes, Length 40
PL040046	7 Holes, Length 46

MT

Reference	Designation
PL020100 / 200	Closing Wedge - Right / Left
PL020103 / 203	Open Wedge 3 - Right / Left
PL020104 / 204	Open Wedge 4 - Right / Left
PL020105 / 205	Open Wedge 5 - Right / Left

K-Wires & positioning pins

Reference	Airlock® tray
XPP01003	Spherical positioning pin
CKW01002[1]	K-Wire Ø 1.4 Lg 100
CKW01004[2]	K-Wire Ø 1.6 Lg 180

[1]Medetechnik® K-wire (33-T10-R-14-100) is also available depending on your market.
[2]Medetechnik® K-wire (33-T10-R-16-180) is also available depending on your market.

Reference	Distractors & Compressor tray
SKW04001	Threaded K-Wire Ø 2.5 - opening wedge distractor - sterile
SKW05003	Threaded K-Wire TR-RD Ø 1.6 lg 140 - sterile
SKW05004	Threaded K-Wire TR-RD Ø 2.5 lg 140 - sterile

Fusion - *Presslock®*

Reference	Designation
PL040117 / 120 / 123	Straigth – Short / Medium / Long
PL040217 / 220 / 223	H – Short / Medium / Long

Lapidus - *Presslock®*

Reference	Designation
PL030301 / 02	Short – Right / Left
PL030401 / 02	Long – Right / Left

Plantar Lapidus - *Presslock®*

Reference	Designation
PL080101 / 102	Short – Right / Left
PL080201 / 202	Long – Right / Left

Airlock® screws Ø 3 & Ø 3.5

Locking		Non locking	
Ø 3 mm	SP0130XX	Ø 3 mm	SP0230XX
Ø 3.5 mm	SP0135YY	Ø 3.5 mm	SP0235YY

With XX from 10 to 30 in 2 mm increments.
With YY from 10 à 40 in 2 mm increments.

Compressive screws

Screws	Length	Reference
Nexis® Ø 4	18 to 60 mm	SC0500XX
Nexis® Ø 5	30 to 100 mm	SC060YYY
PECA®-C Ø 4	18 to 60 mm	PS0501XX

With XX from 18 to 60 in 2 mm increments up to 50 and 5 mm increments up to 60.
With YYY from 030 to 050 in 2 mm increments up to 50 and 5 mm up to 100.

Screws color code

Color	Screws
	Airlock® Ø 3 mm
	Airlock® Ø 3.5 mm
	Nexis® Ø 4 mm
	Nexis® Ø 5 mm
	PECA®-C Ø 4 mm

Please note:
Carefully read the enclosed Instructions For Use (IFU) and all packaging label information. Devices: Implants: Class IIb-CE1639 / Instruments: Class I / Class Ir-CE1639 / Class IIa-CE1639.

Novastep:
2, Allée Jacques Frimot - 35000 RENNES - France
Tel: + 33 (0) 2 99 33 86 50 / Fax: + 33 (0) 9 70 29 18 95
contact@novastep-ortho.com / www.int.novastep.life

Reference: Air-L-Ed8-07-24-EN