



SURGICAL
TECHNIQUE

enovis[™]

PECA[®] COMPRESSIVE

Ø4 BEVELED COMPRESSIVE IMPLANTS

SCREW SYSTEMS



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Novastep® S.A.S is a manufacturer of orthopedic implants and does not practice medicine. This surgical technique was prepared in conjunction with licensed health care professionals. The treating surgeon is responsible for determining the appropriate treatment, technique(s), and product(s) for each individual patient.

See package insert for complete list of potential adverse effects, contraindications, warnings and precautions.

A workshop training is recommended prior to performing your first surgery. All non-sterile devices must be cleaned and sterilized before use.

Multi-component instruments must be disassembled for cleaning. Please refer to the corresponding assembly/disassembly instructions, if applicable. Please remember that the compatibility of different product systems has not been tested unless specified otherwise in the product labeling.

The surgeon must discuss all relevant risks including the finite lifetime of the device with the patient.

Some implants / instruments are not available in all territories. For more information, please contact your local sales representative.

INDICATIONS

The osteosynthesis screws are indicated for arthrosis, hallux valgus and other bone alignment defaults (pes cavus, flatfoot, malalignment secondary to previous trauma).

EXAMPLE OF USE

1. Forefoot and midfoot beveled compressive implant, combined with neutralization plate:


- Lapidus,
- MTP,
- Talo-navicular.

2. Forefoot and midfoot beveled compressive implant, cross screws assembly:

- Lapidus,
- MTP.

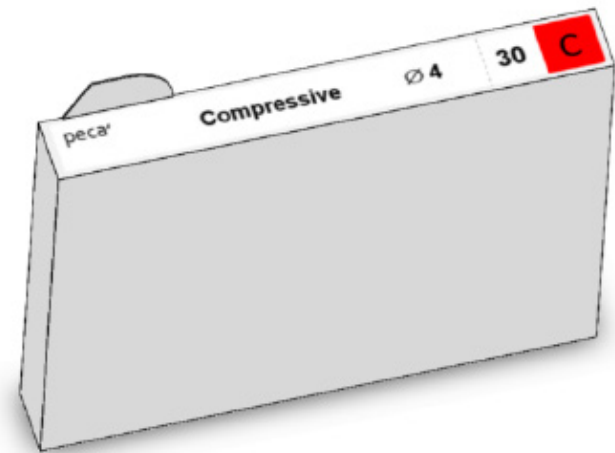
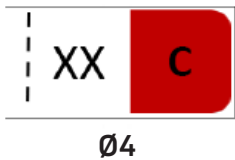
CONTRAINDICATIONS

- Severe muscular, neurological or vascular deficiency in the extremity concerned.
- Bone destruction or poor bone quality, likely to impair implant stability.
- Hypersensitivity to vanadium and/or aluminium.

 **NOTE:** Detailed information on each medical device is provided in the instruction for use. Refer to the instruction for use for a complete list of side effects, warnings, precautions for use and directions for use.

COLOR CODE

The PECA® Compressive Ø4 beveled compressive screws are provided with a color coding allowing to differentiate implants and instruments to use for the screw.



IMPLANT PACKAGING



INSTRUMENTATION

Instrument only compatible with Ø4 PECA and PECA-C screws.

The screwdriver will only engage the head of the screw in one direction, corresponding to the chamfer of the implant. The laser marking on the screwdriver, parallel to the bevelled head of the screw and representing the bone cortex, makes it possible to check that the bevel is correctly positioned without protruding at the end of insertion.

This surgical technique describes an example of use of the PECA®-C Ø4 screw in Lapidus arthrodesis in combination with an Airlock® plate.

LAPIDUS ARTHRODESIS

1. JOINT PREPARATION

Make the bone cut with an oscillating saw blade and reduce the joint before fixing its position with a K-Wire (FIGURE 1).

2. K-WIRE POSITIONING

After Lapidus plate positioning, insert a K-wire, then choose the screw length with the ruler over the K-wire (FIGURE 2).



FIGURE 1

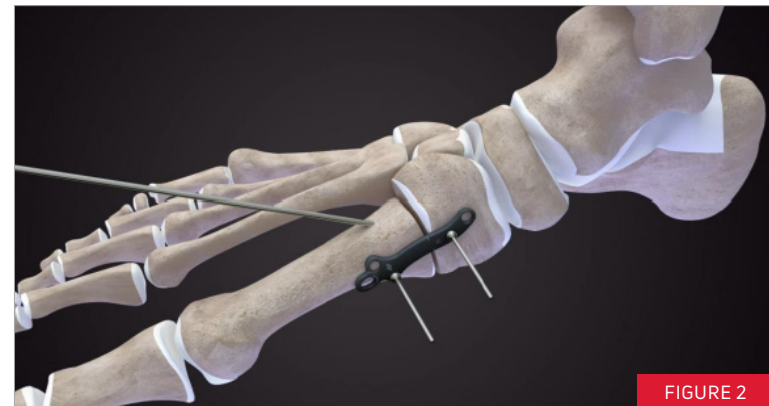
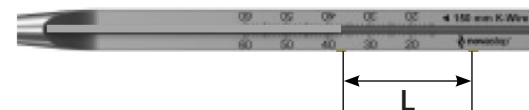


FIGURE 2



3. IMPLANT INSERTION

OPTION 1

Use of the self drilling feature of the implant. Insert the selected implant with a power tool or by hand using the Exact-T®10 AO screwdriver tip.



*Exact-T®10
screwdriver tip*

OPTION 2

Pre-drilling and/or counterboring. Make the pre-drilling using the drill-bit then use the countersink reamer in order to prepare the screw head room. Insert the implant with the Exact-T®10 AO screwdriver tip.



Ø3.2 drill-bit



*Ø3.7 countersink
reamer*



*Exact-T®10
screwdriver tip*

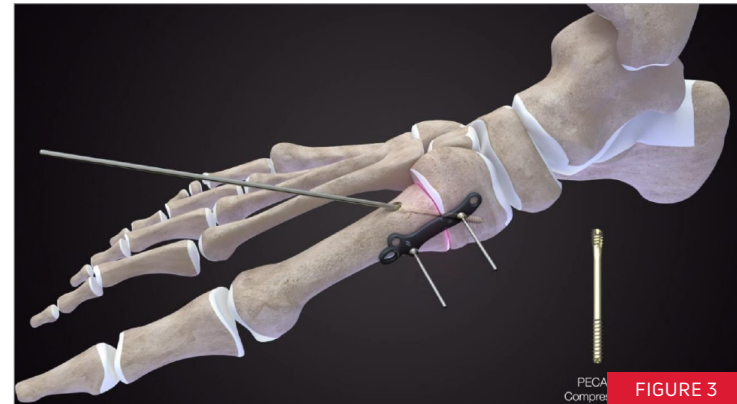


FIGURE 3

4. PLATE POSITIONING

Finalize the plate implantation and check the stability of the osteotomy (**FIGURE 4**).



FIGURE 4

PECA® COMPRESSIVE IMPLANTS

LENGTH	REFERENCE
18mm	PS050118
20mm	PS050120
22mm	PS050122
24mm	PS050124
26mm	PS050126
28mm	PS050128
30mm	PS050130
32mm	PS050132
34mm	PS050134
36mm	PS050136
38mm	PS050138
40mm	PS050140
42mm	PS050142
44mm	PS050144
46mm	PS050146
48mm	PS050148
50mm	PS050150
55mm	PS050155
60mm	PS050160

PECA® COMPRESSIVE SPECIFIC INSTRUMENTS

REFERENCE	DESCRIPTION
CKW02005 ⁽¹⁾	K-WIRE Ø1.4 LG 150 TR/RD CRCO
XDB01018	AO DRILL BIT Ø3.2
XSD04004	EXACT-T® 10 AO SCREWDRIVER TIP
XGA01009	RULER LG 150
XRE01007 ⁽²⁾	COUNTERSINK Ø3.7 - NEXIS®/PECA®-C

⁽¹⁾ K-wire supplied separately⁽²⁾ Optional



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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.

REFERENCE: PECA-C-ST-ED5.1-06-25-EN