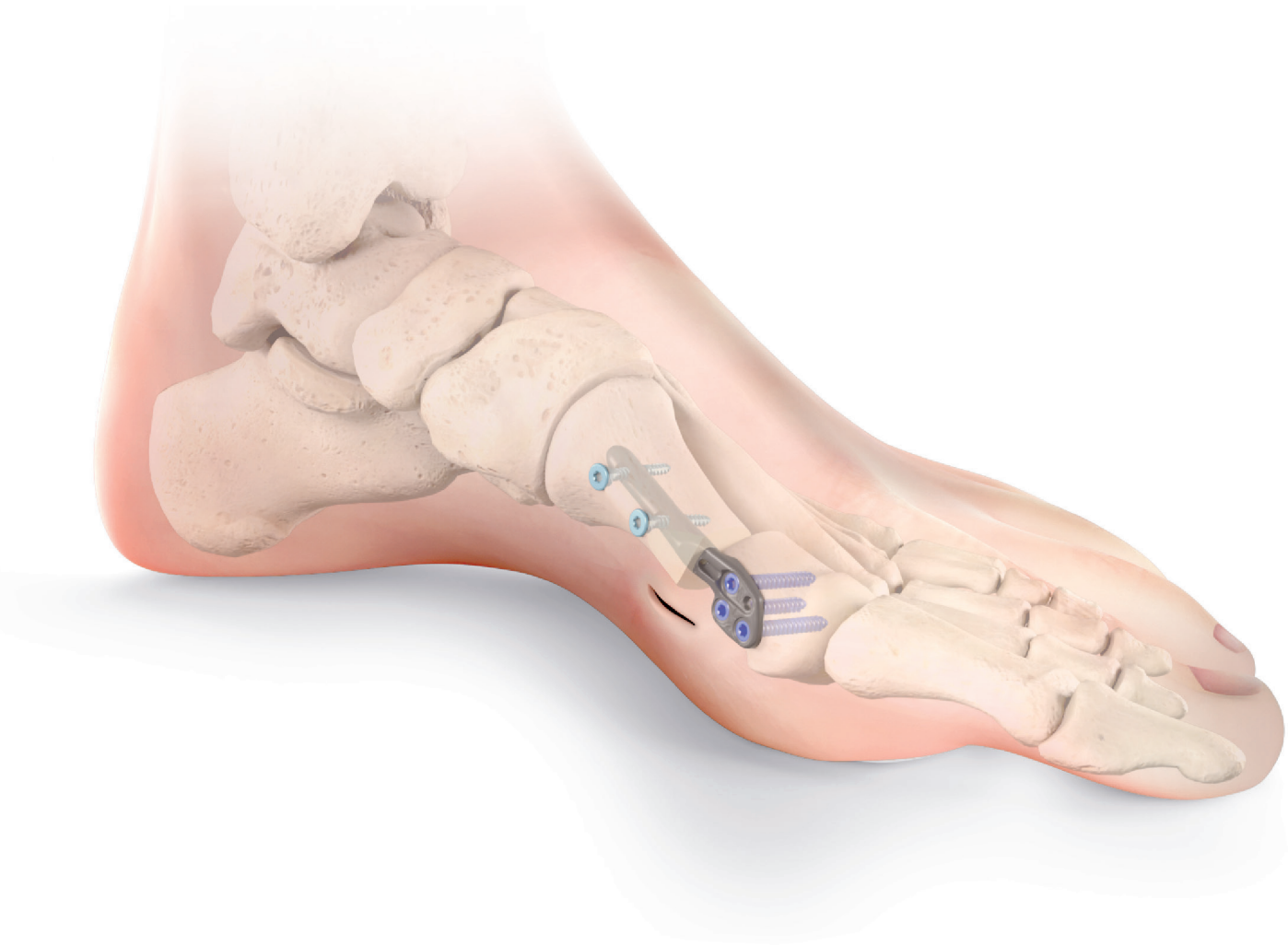
centroLock®

Guided Transverse Osteotomy System

Forefoot Surgery

Brochure



. **Powerful multiplanar** correction
. **Guided instrumentation**, reproducible outcomes
. **MIS Platform**

novastep®
Your foot & ankle company

centroLock®

Centrolock® was designed to evolve the standard fixation and treatment methods to correct hallux valgus. The innovative hybrid design combines a cannulated intramedullary stem with plate fixation on the metatarsal head. Powerful three plane corrections once achieved only by Lapidus procedures, can now be performed distally through a less invasive, guided approach.
The combination of guided instrumentation and the Centrolock implant ensure reproducible clinical outcomes, refining hallux valgus treatment without fusing a joint. The hybrid construct provides secure fixation allowing surgeons to immediately weight bear patients following the surgical procedure.

Hybrid intramedullary implant

Metatarsal plate:
- 3 translation options.
- Allows up to 100% Translation.

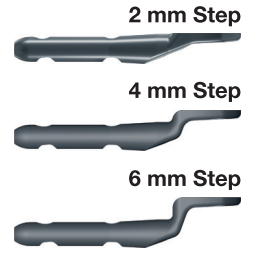
Hybrid intramedullary design: Combines metatarsal plate and cannulated stem.

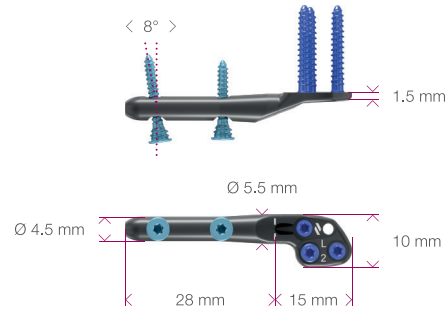
Cannulated stem:
Precise implant positioning, eases frontal plane manipulation around the K-Wire.

Locking screws holes:
Ø 2.5 mm locking screws secure the capital fragment.

Proximal fixation:
Ø 2.0 mm cortical screws are implanted to securely fasten the intramedullary stem.

Offset angulation:
8° screw hole offset to prevent migration of the implant.

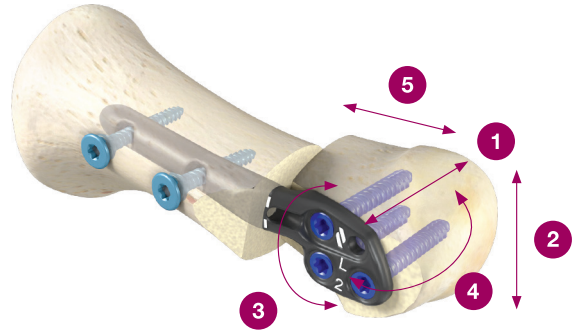




Guided transverse Osteotomy: Distal multiplanar correction

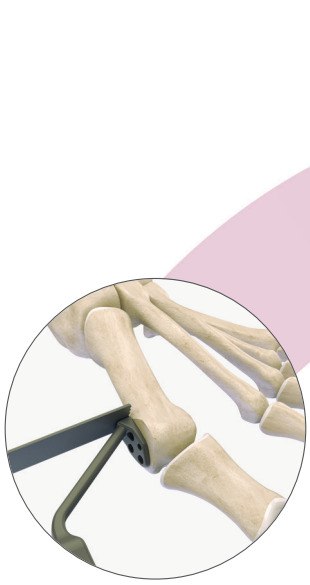
Combined with transverse osteotomy, the Centrolock® hybrid intramedullary design allows for correction of hallux valgus in all three planes.

1. Lateral translation:
2, 4, 6 mm Steps increase translation of the metatarsal head and allow up to 100% translation, correcting severe hallux valgus deformites.
2. Plantar / Dorsal alignment:
Ability to manipulate the plantar or dorsal alignments of the first ray.
3. Frontal plane rotation:
Cannulated stem rotates around the K-wire, providing simple manipulation of the frontal plane.
4. Horizontal plane rotation:
Medial eminence resection allows adjustment of metatarsal head positioning in the transverse plane.
5. Length correction:
With transverse osteotomy, surgeons may choose to keep the first ray neutral or lengthen or shorten if needed.



The Centrolock® implant is the next evolution in transverse osteotomy fixation, providing a rigid construct and reducing the need for fusions in the surgical correction of hallux valgus.

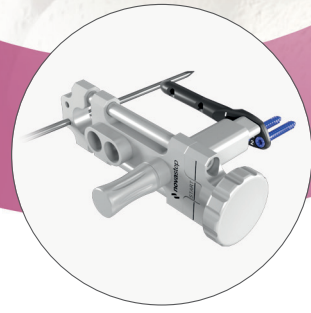
Guided instrumentation, reproducible outcomes



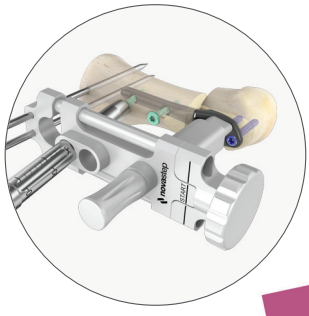
1. Transverse Osteotomy
Guided multiplane correction

2. Implant positioning
Intermetatarsal angle & sagittal plane correction

3. Distal fixation
Inferior locking screws implanted to achieve sagittal plane correction



4. Rotational alignment
Frontal plane alignment & compression



5. Proximal fixation
Proximal fixation, securing final correction

References

Centrolock® implant right

Step (mm)	Reference
2 mm	PL070102
4 mm	PL070104
6 mm	PL070106

Centrolock® implant left

Step (mm)	Reference
2 mm	PL070202
4 mm	PL070204
6 mm	PL070206

Centrolock® locking screw

Length (mm)	Screw Ø 2.5 mm
10 mm *	SP012510 *
12 mm	SP012512
14 mm	SP012514
16 mm	SP012516
18 mm	SP012518
20 mm	SP012520
22 mm	SP012522
24 mm *	SP012524 *
26 mm *	SP012526 *

Centrolock® cortical screw

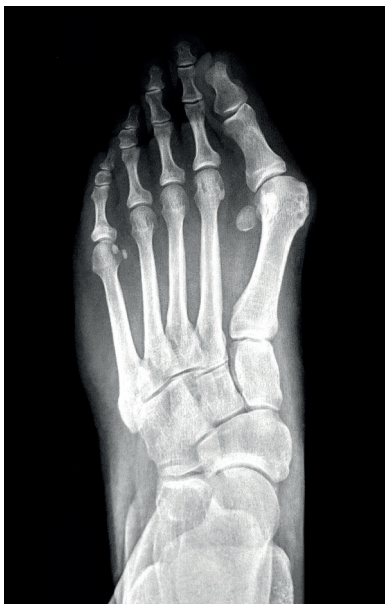
Length (mm)	Screw Ø 2.0 mm
12 mm	SP032012
14 mm	SP032014
16 mm	SP032016
18 mm	SP032018
20 mm	SP032020
22 mm *	SP032022 *
24 mm *	SP032024 *

** On demand.*

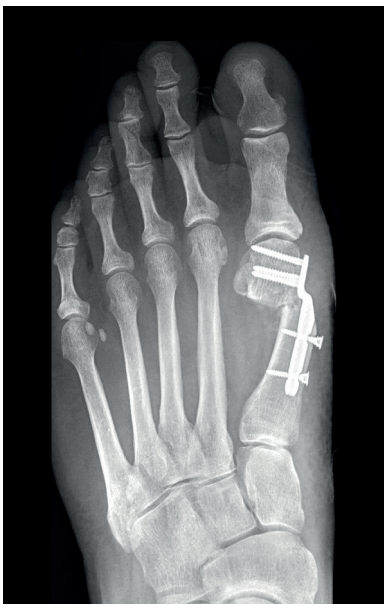
Indications

The Centrolock® Guided Transverse Osteotomy System is specifically indicated for primary correction of mild to severe hallux valgus deformities and revision surgery of the first metatarsal.

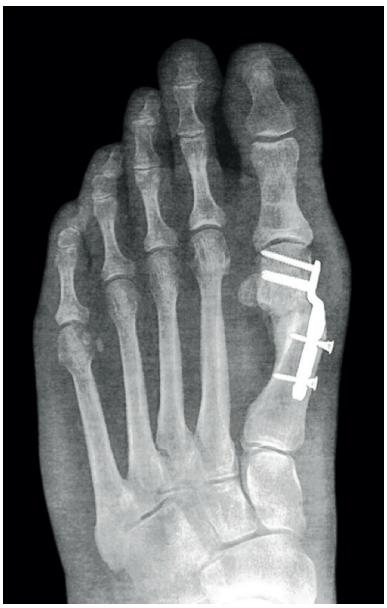
Pre-operative



Post-operative



Final implantation at 3 months



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

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Reference: CEN-L-Ed2-04-21-EN