

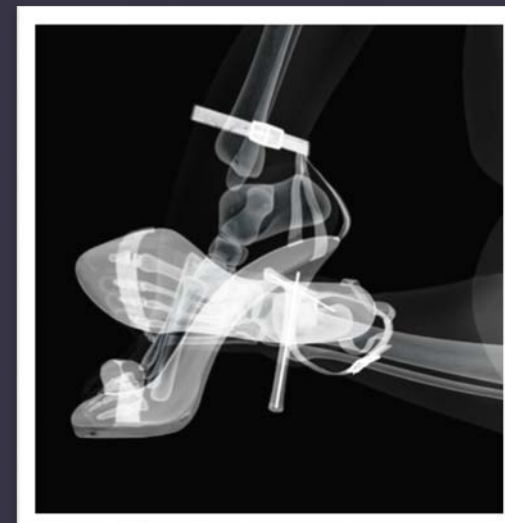
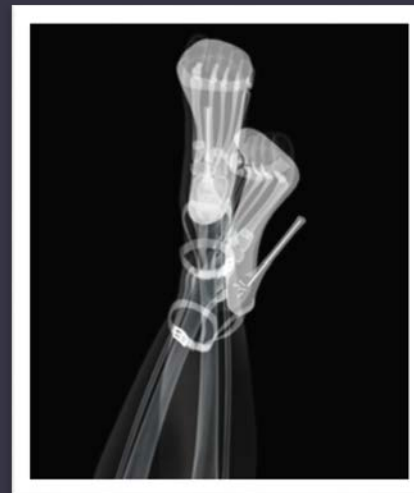
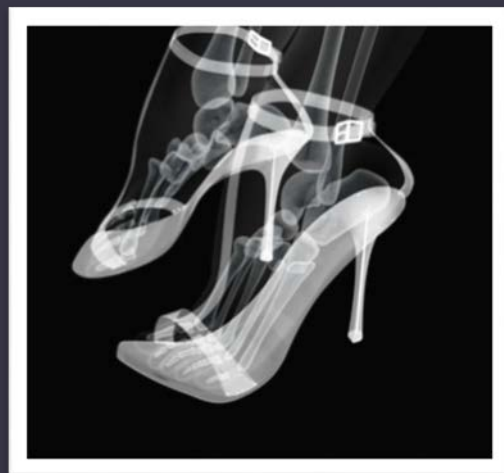


EMPOWERING ORTHOPEDIC INNOVATION



HNM FOOT & ANKLE

INNOVATION FOR PEOPLE





PROXIMAL

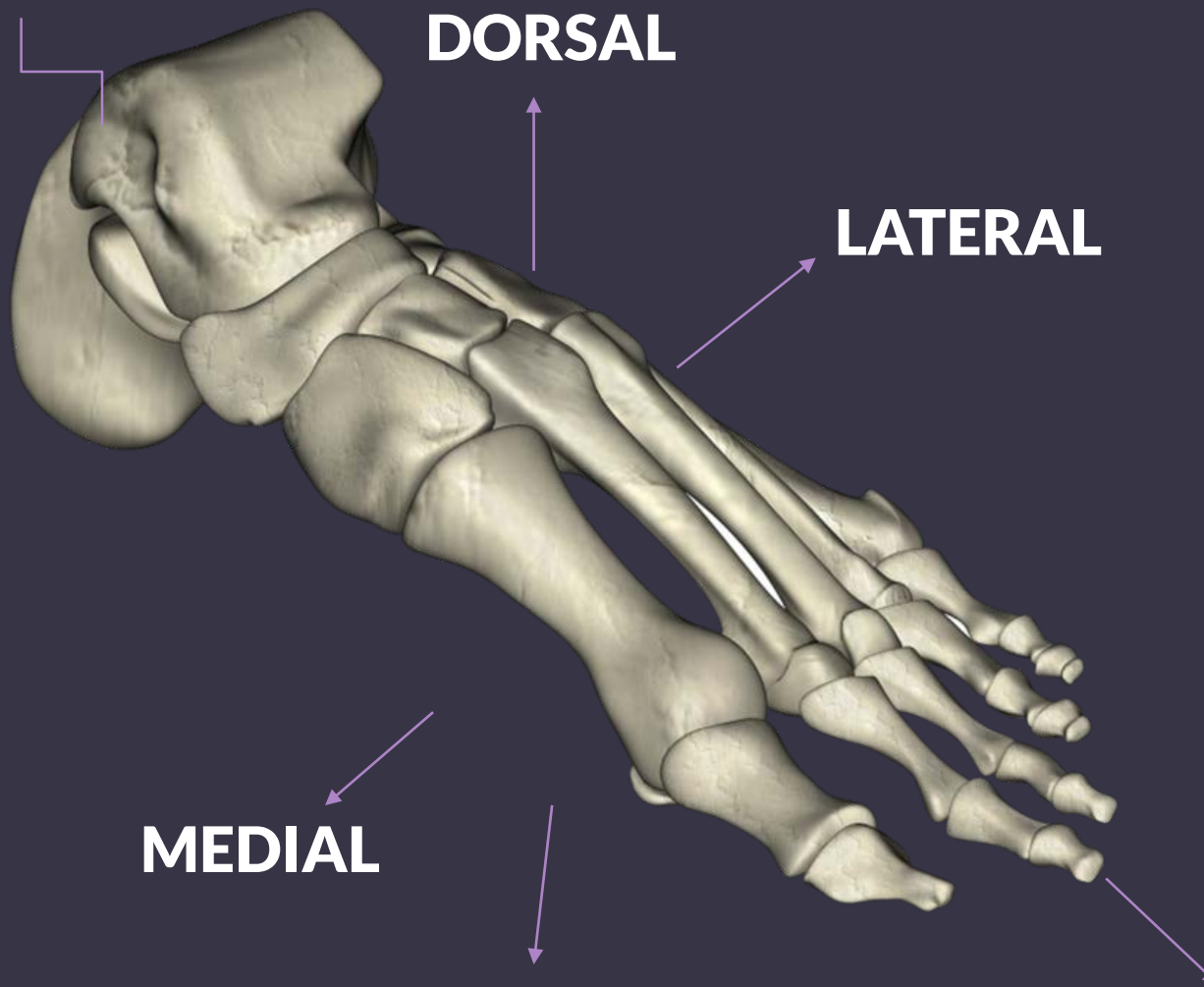
DORSAL

LATERAL

MEDIAL

PLANTAR

DISTAL





HALLUX VALGUS – BUNION

Most prevalent (23 – 35%) forefoot deformity



Causes

- Increased forefoot load (wrong shoes)
- Female 4 : 1 Male, Shoes 32% : 2% Bear-Foot
- Splay foot
- Hallux valgus
- Inherited: Lengthened of first ray
- Hypermobility in TMT₁ joint
- Weakened soft tissue



HALLUX VALGUS – BUNION

Most prevalent (23 – 35%) forefoot deformity



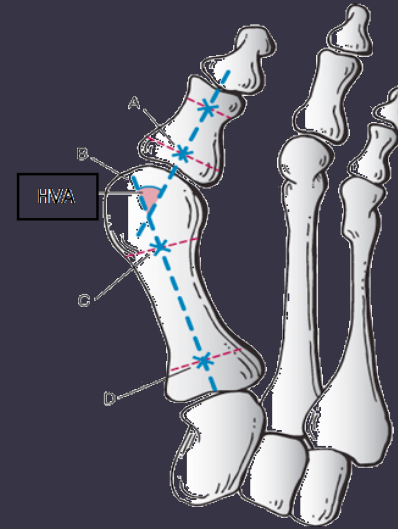
Consequences

- Pain
- Mobility ↓
- Hind-Foot Valgus
- MTP-Joint Arthrosis – Hallux Rigidus
- 2nd Deformities - Hammer-Toe 2nd to 5th Ray

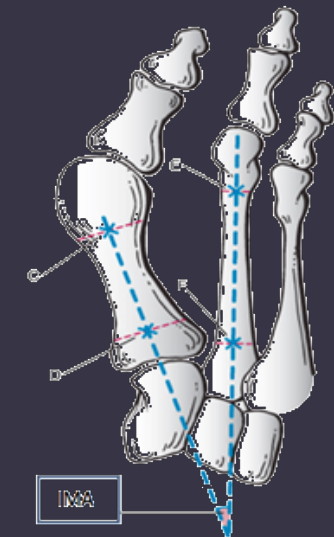
Treatment

- Surgery
- Osteotomy (Sesamoid Planarization)
- Fixation (Bone Fusion)

HALLUX VALGUS – BUNION



DEFORMITY	HALLUX VALGUS ANGLE (HVA)	INTER-METATARSAL ANGLE (IMA)	OSTEOTOMY
Normal	$< 15^\circ$	$< 10^\circ$	None
Small	$< 30^\circ$	$< 15^\circ$	Distal Chevronn, Akin
Mild	$< 40^\circ$	$< 20^\circ$	Diaphysis Scarf, Ludloff
Severe	$> 40^\circ$	$> 20^\circ$	Proximal Lapidus, OpenW



DISTAL

MID-SHAFT

PROXIMAL

Chevron



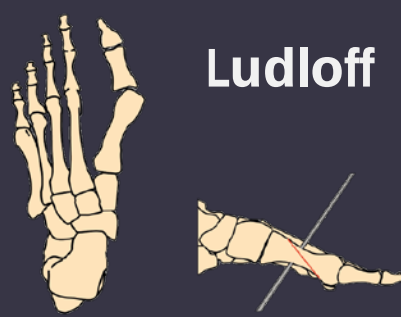
AKIN



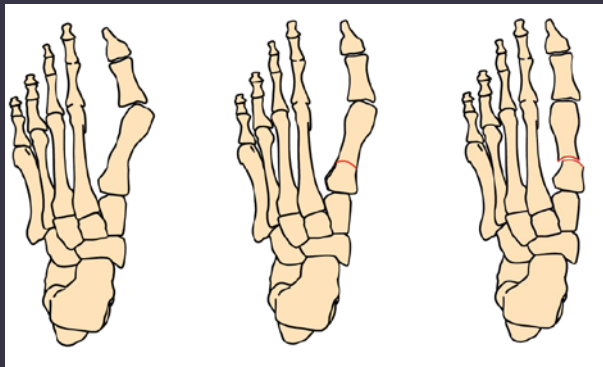
Scarf



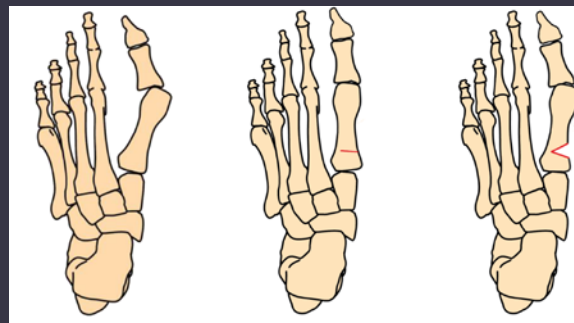
Ludloff



CRESCENTIC



OPENINGWEDGE



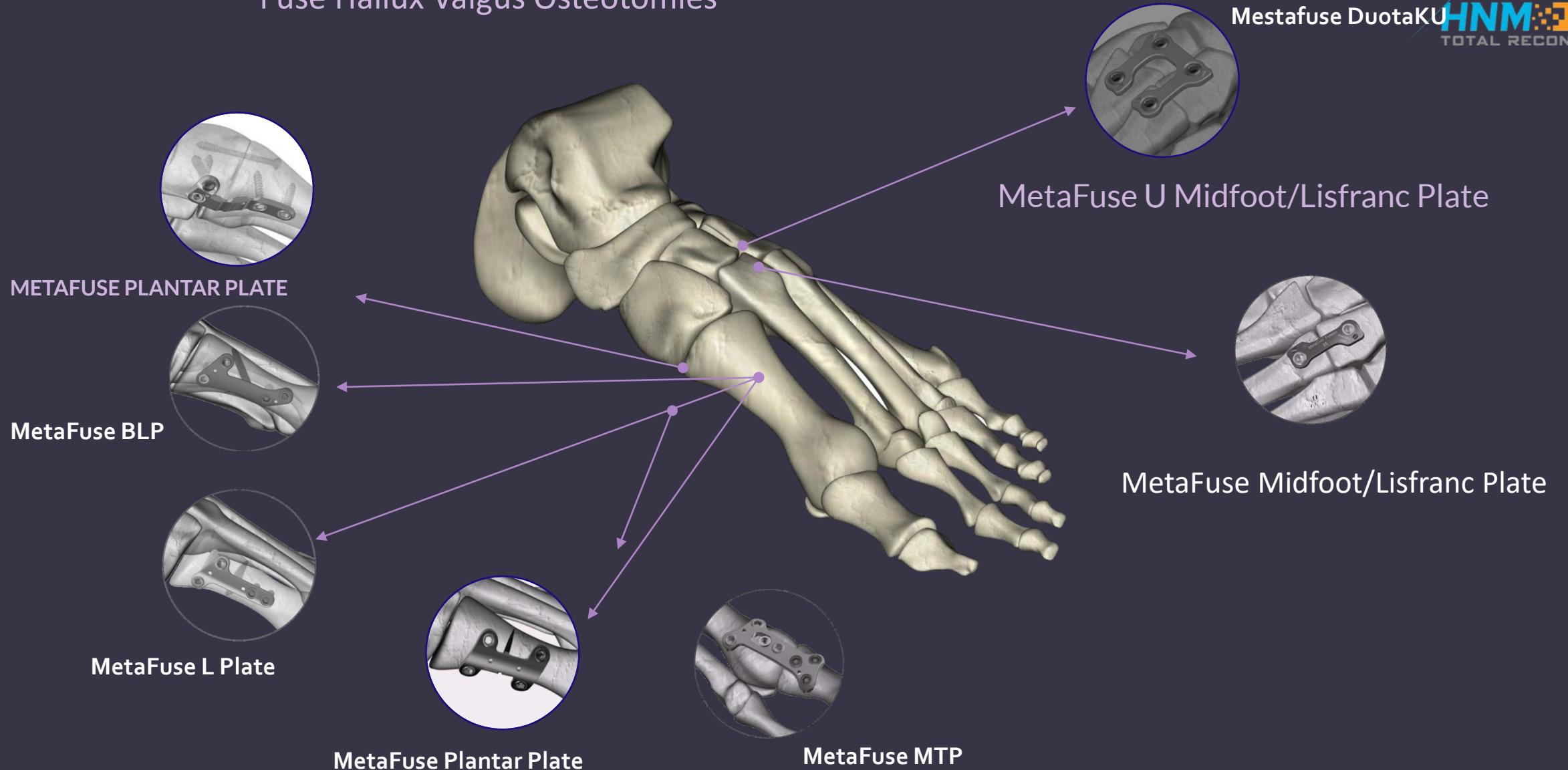
Foot and Ankle System

Fuse Hallux Valgus Osteotomies

HNM
MEDICAL

Mestafuse DuotaKU

HNM
TOTAL RECON



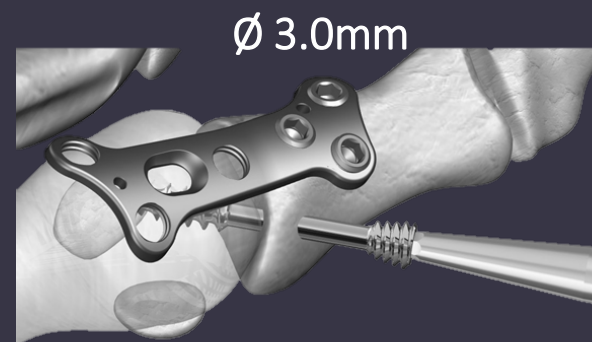
LOCKING SCREWS - FULLTHREADED



METAFUSE MTP PLATE

Compression screws Ø 3.0 mm

- Length: 12 - 32 mm (2 mm steps), 35 and 40 mm
- Cannulated for K-wires Ø1.0 mm
- Torx T10



Compression screws Ø 4.3 mm

- Length: 20 - 48 mm (2 mm steps), 50 and 55 mm
- Cannulated for K-wires Ø 1.4 mm
- Torx T10



MetaFuse L- Plates

Locking Plates made from TiAl6V4 ELI



Design

The MetaFuse Plates are adapted to the anatomy of the Metatarsal I. The low plate profile design of 1.5 mm height, minimizes the danger of soft tissue irritation.



Secure Anchoring

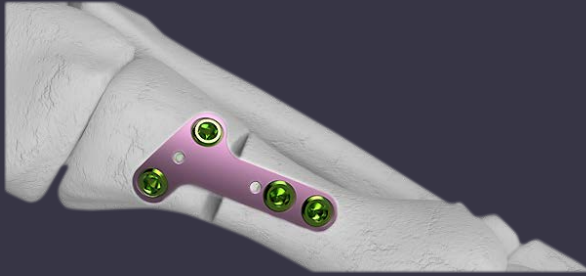
By crossing the screws (proximal at MetaFuse / proximal and distal at MetaFuse BLP™) the high resistance and weight bearing of the plates is given.

MetaFuse L Plates

MetaFuse

left/right, 5 sizes 26, 28, 30, 32, 34 and 36 BLP

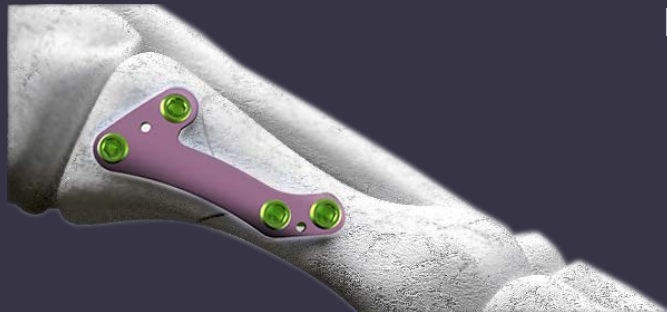
- Left/right, 4 sizes 31, 33, 35 and 37 mm



MetaFuse I

Indications

- Osteotomies (e.g.: Chevron-, Closing Wedge-, Opening Wedge-, Crescentic-Osteotomy)
- Arthrodesis at Metatarsal 1 (e.g.: 1st MTP-Fusion, TMT Fusion)



**MetaFuse
BLP™**

Indications

- Osteotomies (e.g. Closing Base Wedge-, Opening Base Wedge-, Proximal Chevron-, Crescentic-Osteotomies and Lapidus/TMT-Fusion)
- 1st MTP-Fusion

MetaFuse OpenWedge

Left/right, each 6 wedge sizes 0, 1, 2, 3, 4, 5 and 6 mm

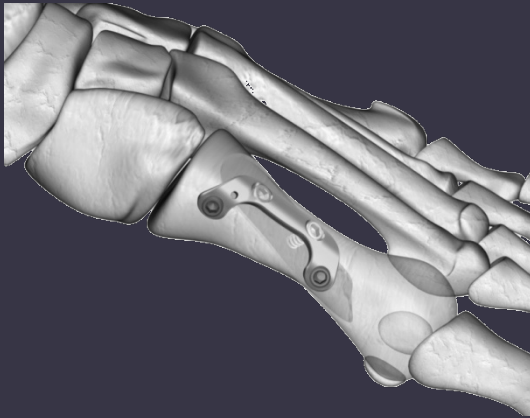
Indications

- *Opening Wedge Osteotomy*
- *Various Base Osteotomies (with plate size 0 mm)*



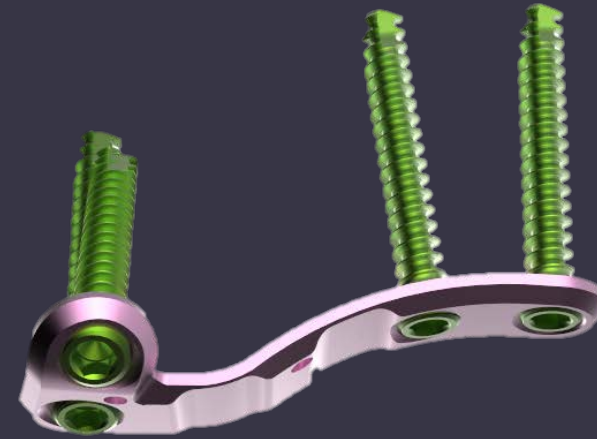
MetaFuse Plantar Plate

Left/right, each 3 sizes 31, 34 und 38 mm



Indications

- Ludloff Osteotomy
- Crescentic



MetaFuse / DuotaKU

Bi-Lateral, 4 sizes per plate

Indications



- Taro-Metatarsal Arthrodesis
- Lisfranc-Arthrodesis
- Talo - Navicula (TN) – Arthrodesis
- Naviculo - Cuneiforme (NC) – Arthrodesis
- Calcaneo - Cuboid (CC) – Arthrodesis

21, 23, 25 and 27 mm

Width 25 mm / 23 mm Length
28 / 25 and 28 / 25

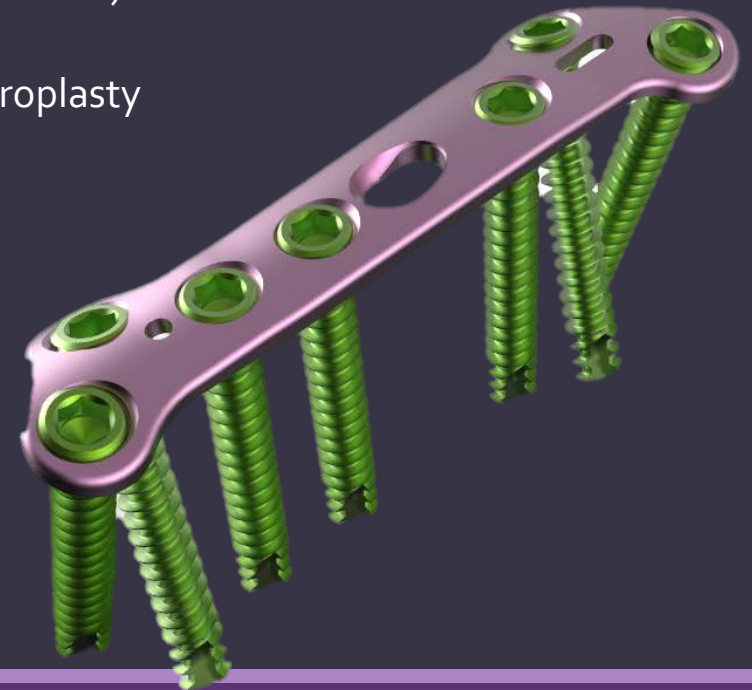


METAFUSE MTP Plate

Left/Right, 2 sizes each

Indications

- Fusion of the 1st Metatarso-Phalangeal-Joint (MTP)
- Hallux Rigidus (Arthrosis MTP I)
- Revision after failed arthroplasty

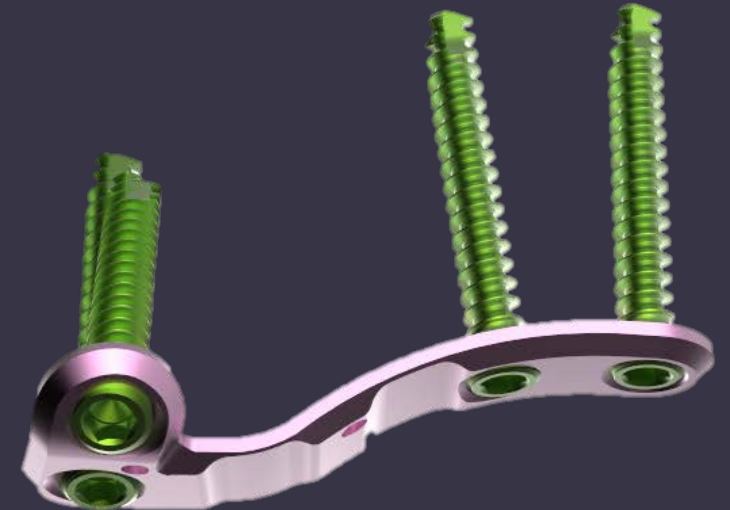
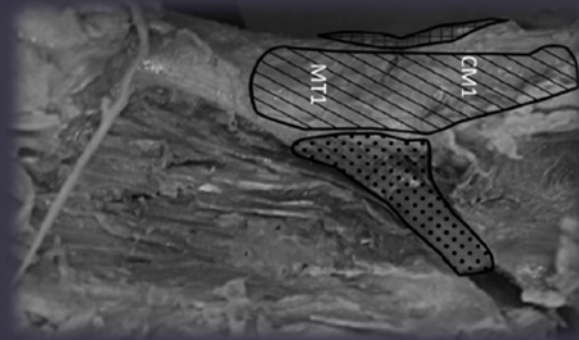
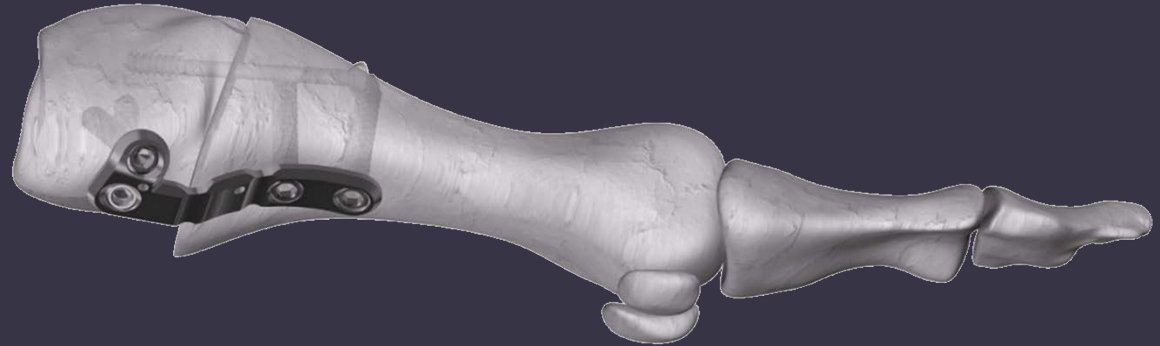


METAFUSE SCARFUSE

Left/right, 2 sizes 37 and 40 mm

Indications

- Mild to severe Hallux valgus
- Hypermobility in the Tarsometatarsal-I-joint
- Arthrosis in the Tarsometatarsal-I-joint



METAFUSE OPENWEDGE PLATE

Left/right, 1 size



Indications

- *Mild to severe Hallux Valgus*
- *Hypermobility in Tarsometatarsal-I-Joint*
- *Arthrosis in Tarsometatarsal-I-Joint*
- *Elevatus Deformaty of 1st Metatarsal*

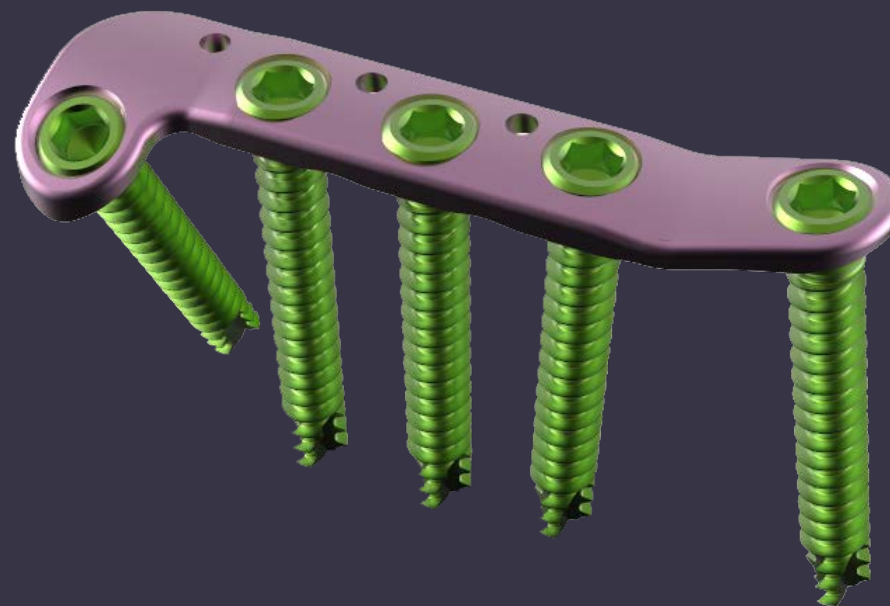


METAFUSE SCARFUSE PLATE

Left/right, 2 sizes 34 and 40 mm

Indications

- Mild to severe Hallux Valgus
- Scarf Osteotomies



MetaFuse Calcaneus Offset Plate

Bi-Lateral, seven sizes 0, 2, 4, 6, 8, 10 and 12 mm

Indications

Stabilizing corrective osteotomies of the calcaneus (e.g. flat-foot)



Thank you for joining us!

