

UKKO DFO Locking Plates



DESIGNED IN
FINLAND



mathemedix

Easy-to-use quality instruments and
implants for veterinary surgery

UKKO *In Finnish mythology Ukko is the god of thunder and storms. Symbolises strength and power but also wiseness and knowledge. A team of experts gathered their knowledge and expertise to design the strong and reliable Ukko DFO Plate.*



UKKO DFO Locking Plate

The UKKO DFO Plate is a pre contoured implant designed to address the challenging needs of Distal Femoral Osteotomies.

The historical path from clinical needs to project and production.

The project started by obtaining CT Scans of femurs from different size dogs ranging from giant to toy breeds.

The scans were converted into 3D reconstruction and the plates were designed to fit the challenging anatomical contour of the distal femurs.

Screw orientations were evaluated and the trajectories of the distal screws were established in order to eliminate any possible violation of the joint space and any interferences with the trochlear ridge.

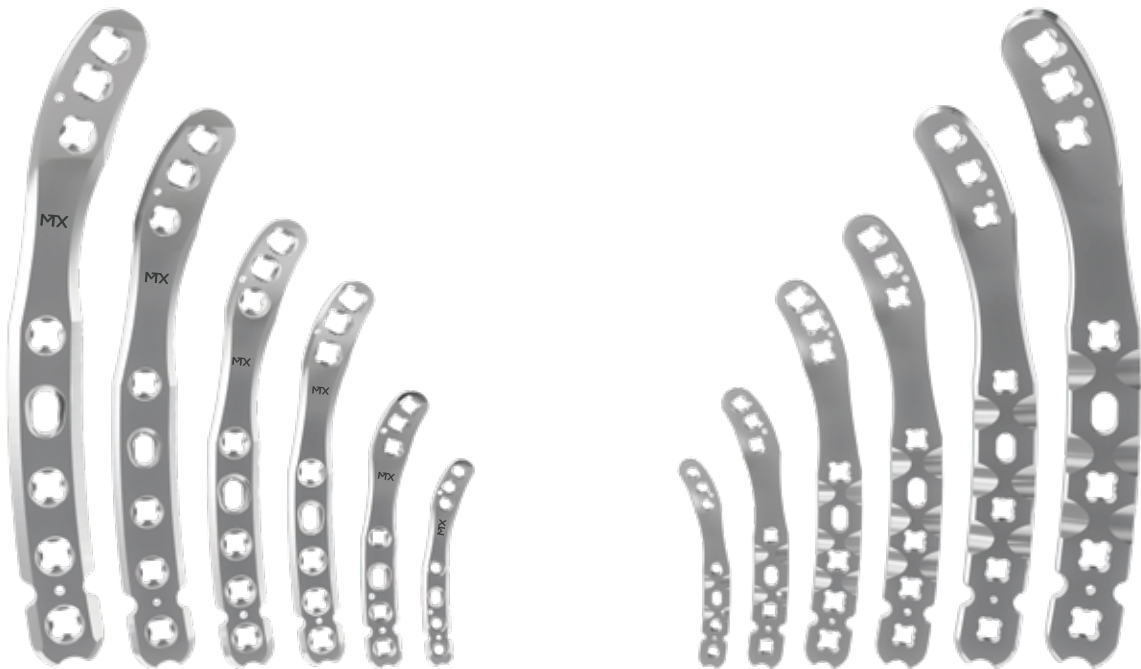
Different prototypes were printed and applied on 3D prints of the different femurs. After definition of the final design, a limited number of implants were produced and trialled, at first on cadaveric specimens and then on real cases.

Different opinion leaders were involved in testing the implants and, only after receiving unanimous consent and appreciation, the UKKO DFO Plate was put in full production.





UKKO DFO Locking Plate



Features:

- The UKKO DFO Plate merges modern and conventional technology, offering double capability of both locking and standard screws.
- Pre oriented distal locking holes for safe insertion of screws.
- Compression hole in the proximal portion allows insertion of a loaded screw.
- Low profile and stepped edges to minimise interferences with soft tissues.
- Robust narrow stack portion placed over the osteotomy to allow better visualisation of the healing at the osteotomy site.
- Two small holes placed at each extremity of the plate for provisional fixation with K Wires to facilitate the implant application.
- Dented proximal portion facilitates contouring in case of extension of the implant in a dorsal direction.



UKKO DFO Locking Plate

DFO15L/DFO15R

1.5mm DFO Locking Plate

Width: 4mm
Length: 31mm
Holes: 4+3



DFO Distal Femur

DFO20L/DFO20R

2.0mm DFO Locking Plate

Width: 5mm
Length: 42mm
Holes: 4+3



DFO Distal Femur

DFO24L/DFO24R

2.4mm DFO Locking Plate

Width: 6.5mm
Length: 58mm
Holes: 5+3

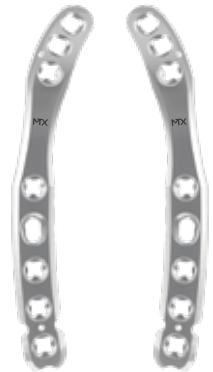


DFO Distal Femur

DFO27L/DFO27R

2.7mm DFO Locking Plate

Width: 8mm
Length: 68mm
Holes: 5+3



DFO Distal Femur

DFO30L/DFO30R

3.0mm DFO Locking Plate

Width: 9.5mm
Length: 85mm
Holes: 5+3



DFO Distal Femur

DFO35L/DFO35R

3.5mm DFO Locking Plate

Width: 11mm
Length: 100mm
Holes: 5+3



DFO Distal Femur



UKKO DFO Locking Plate

/ INSTRUMENTATION

PLDG20

2.0mm Polyaxial Locking Drill Guide

PLDG24

2.4mm Polyaxial Locking Drill Guide

PLDG27

2.7mm Polyaxial Locking Drill Guide

PLDG30

3.0mm Polyaxial Locking Drill Guide

PLDG35

3.5mm Polyaxial Locking Drill Guide



PLDG35F

3.5mm Polyaxial Locking Drill Guide, Free Hand



MCD27

2.7/1.5mm Compression/Distracton Threaded Rod

MCD35

3.5/2.0mm Compression/Distracton Threaded Rod



MCD15

1.5mm Compression/Distracton Pin, thread length 15mm

MCD18

1.8mm Compression/Distracton Pin, thread length 18mm

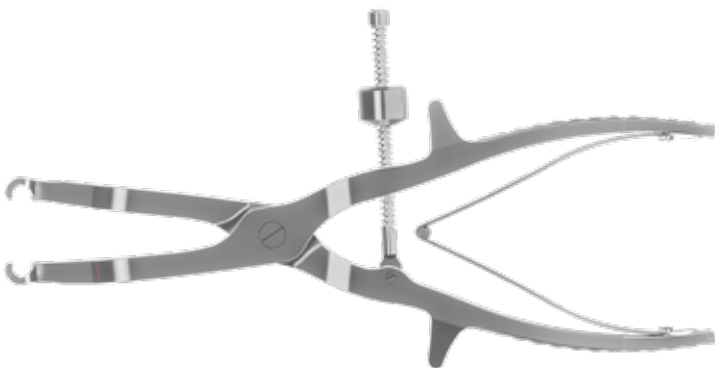
MCD25

2.5mm Compression/Distracton Pin, thread length 25mm



MCD00

Compression Forceps, with Speed Lock





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