

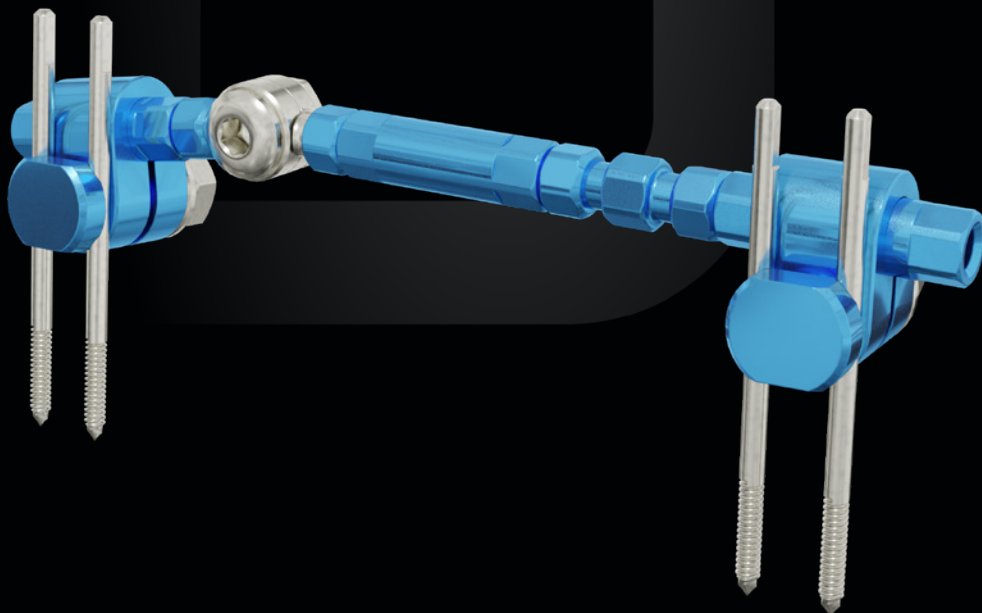
MINISTYLO

SMALL FRAGMENT MODULAR EXTERNAL FIXATOR

Versatile

Modular

Sterile



Indications

Open fractures, closed fracture, non-unions and malformations of metacarpals and phalanges.

FEATURES

Universal clamp

Sterile disposable kit

Detachable components

ADVANTAGES

Accepts screws and K-wires in the following range:
Ø 1,0 mm and 2,0 mm

Ready for use

Highly modular

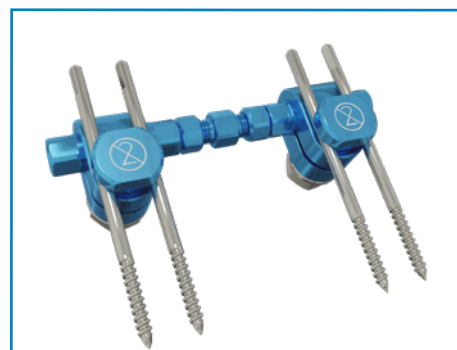
Body of the Fixator

Compression and distraction unit

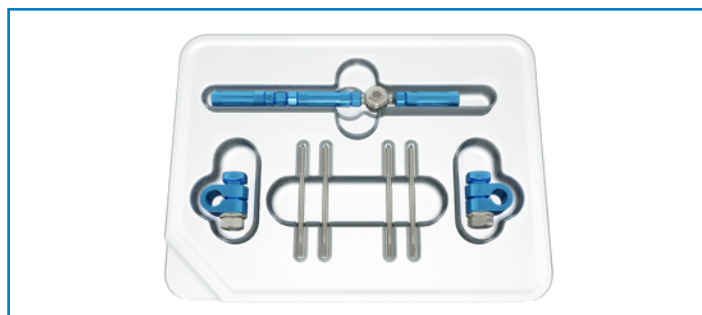
For micrometric axial correction

Ball Joint Unit

For flexion and extension movements



Ministylo Kit



Description

Qty

Body of Fixator

1

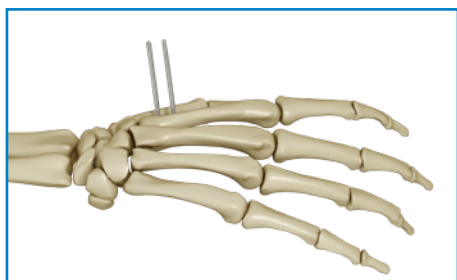
2,0 mm Ø – 40 mm L – 10 mm L thread screws

4

Clamp (double screw/K-wire)

2

Surgical technique



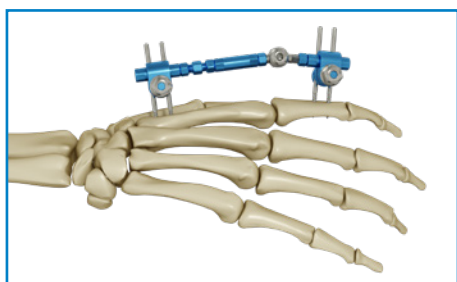
Perform a 1 cm incision in proximity of the metaphysis of the second metacarpal along the dorsal-radial margin, at approximately a 45° angle to the horizontal plane.

Using the drill guide (5002235), insert two 2 mm screws in the metacarpal. Use a power tool to go past the first cortex and then proceed by using the T-wrench.

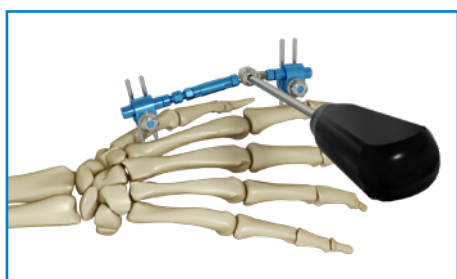


Use the external fixator as a unit of measure to determine the position of the second set of screws. Perform a 1 cm incision in the metaphysis of the distal phalanx. Insert two Ø 2.0 mm screws in the metacarpal at approximately a 45° angle to the horizontal plane.

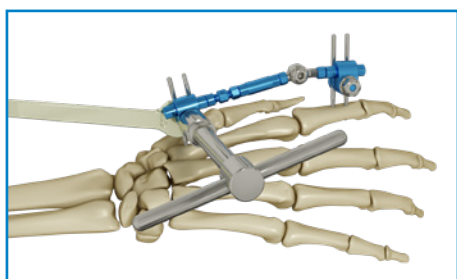
Use a power tool to go past the first cortex and then proceed by using the T-wrench.



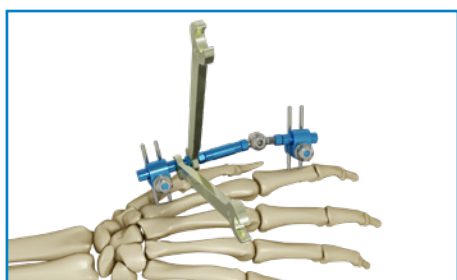
Insert the clamps in both sets of screws. Attach the body of the fixator to the two clamps making sure the ball joint unit is in proximity of the metacarpal-phalangeal joint (flexion 25°-35°).



Position the ball joint unit as described in the previous step and secure it by using the 3 mm hexagonal screwdriver.



Use the flat wrench to lock the nuts and tighten the clamps by using the T-wrench.



Once the reduction is completed, secure the locking nuts of the compression and distraction unit to allow the implant to become stable.

Clinical Cases

CASE 1

Dr. D. Canale, Dr. U. Scarlato - Ivrea (Turin) Hospital



54-year old male
Crush injury to left hand
Preoperative x-rays



Preoperative assessment



Fixation using external fixator
Postoperative x-rays



Postoperative assessment



Assessment and x-ray check
35 days prior to removal



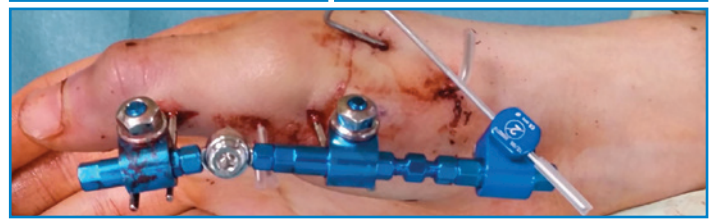
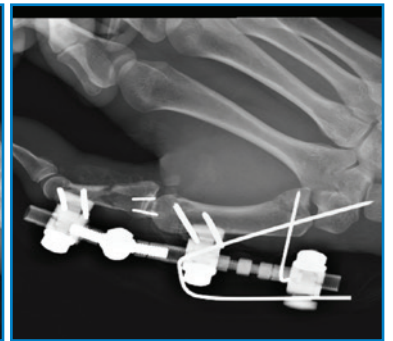
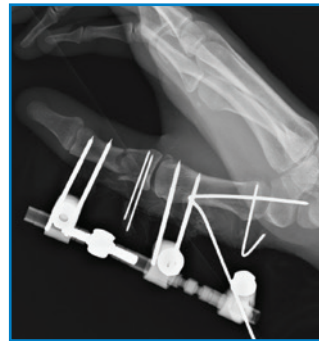
X-ray on removal after 35 days

CASE 2

Dr. D. Canale, Dr. U. Scarlato - Ivrea (Turin) Hospital



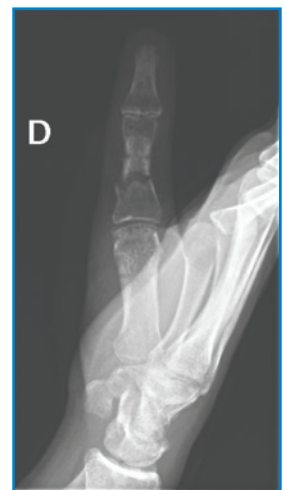
19-year-old sportswoman
Skiing accident with trauma to 1st finger of right hand
CLW right thumb p1 base fracture volar-ulnar region
(open fracture)



Fixation using k-wires + external fixator
Postoperative x-rays
Postoperative assessment



X-ray check 40 days prior to removal



X-ray check on removal



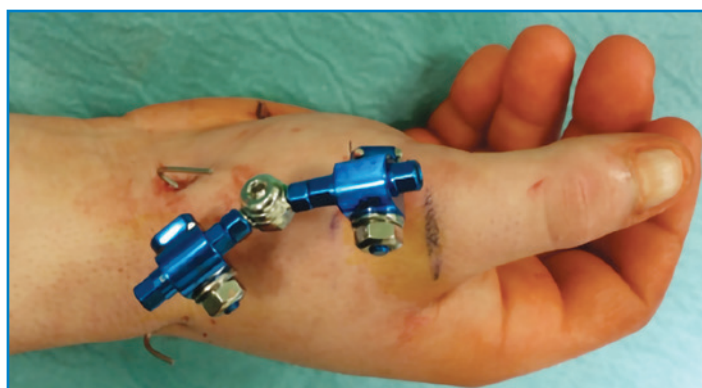
Assessment 30 days after removal

CASE 3

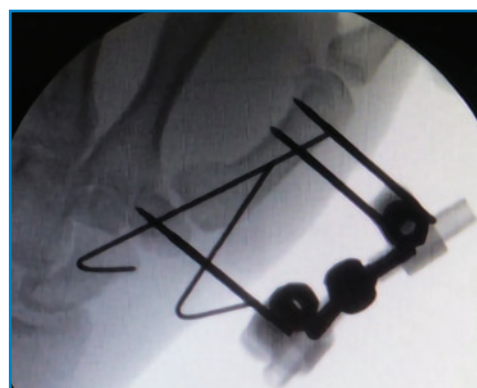
Dr. D. Canale, Dr. U. Scarlato - Ivrea (Turin) Hospital



24 years old male
TDirect trauma 1st finger right hand
Preoperative X-ray and preoperative CT scan



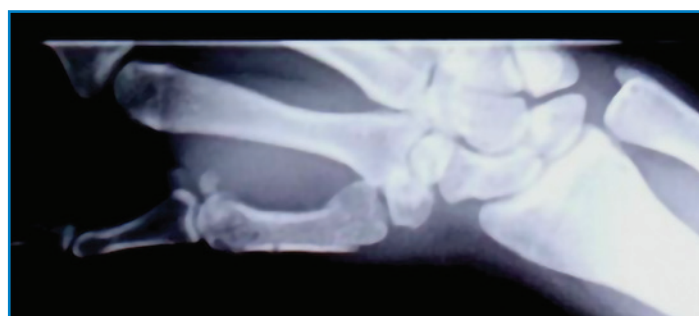
Fixation using K-wires and external fixator



Postoperative x-ray



X-ray check after 40 days and on removal



X-ray check on removal

Codes

5002200MST MINISTYLO KIT

ACCESSORIES

Code	Description
5002206ST	Sterile extension bar. 15 mm
5002210ST	Ministylo clamp (single)
5002210AST	Ministylo open-ended clamp
5002211ST	Ministylo T clamp (two screws/K-wires)
5002212ST	Ministylo/Smart dual monolateral clamp
5002421ST	Self drilling screw Ø 2.0 mm L 30 mm thread L 10 mm
5002422ST	Self drilling screw Ø 2.0 mm L 40 mm thread L 10 mm
5002423ST	Self drilling screw Ø 2.0 mm L 50 mm thread L 10 mm
5002424ST	Self drilling screw Ø 2.0 mm L 60 mm thread L 10 mm
5002431ST	Threaded wire Ø 1.5 mm L 100 mm thread L 4.0 mm

INSTRUMENTS

Code	Description	Qty
5002299	Complete Ministylo instrument sterilization set	
Composition:		
5002220	5.5-8.0 mm flat wrench	2
5002225	Ø 8.0 mm T-wrench	1
5002230	Single Ø 2.0 mm drill guide	1
5002235	Double Ø 2.0 mm drill guide	1
5000124	Ø 3.0 mm hexagonal screwdriver	1
5000211	Cross rim wrench for screws	1
5002056	Screw extension adapter	1
5002290	Empty Ministylo instrument sterilization set	1

Implantable and sterile devices are covered by CE 1936 mark, non-sterile reusable instruments are CE marked

Sterilization

The Ministylo kit is supplied sterile.

It is recommended that the instruments be sterilized in a saturated steam autoclave as follows:

TEMPERATURE: 134°

EXPOSURE: 5 minutes



HEADQUARTERS

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