

EXTERNAL FIXATION SYSTEM

ISO 13485:2003 & CE

EXTERNAL FIXATORS





Auxein Medical is an integrated, research based, Orthopaedic Implants & Instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavour to provide a wide basket of generic and innovator products that exceed the highest expectations of our customers in term of quality and safety. The company has world-class manufacturing unit established in India and serves customers in over 25 countries worldwide.

Other Product range:

Wise Lock System, Mini Fragment, Small Fragment, Large Fragment, Wise Lock Modular Hand/Foot Implants, Cannulated Screws, DHS & Angle Plates, Interlocking Nails, Staples, Pins and Wires, Hip Prosthesis, Cranio-Maxillofacial, ACL-PCL Reconstruction System, External Fixators and General Instruments.

Contents

Extra Caliber External Fixator	1.1 – 1.8
Dynamic Axial Fixator	2.1 – 2.14
Small Dynamic Axial Fixator	3.1-3.6
Fixation For HTO	4.1 – 4.6
Pertrochanteric Fixator	5.1 – 5.3
Hybrid Fixation System and Ring Fixator	6.1 – 6.14
Adult Limb Reconstruction System	7.1 – 7.12
Paediatric Limb Reconstruction System	8.1 – 8.10
Pelvic Fixator	9.1 – 9.6
Elbow Fixators	10.1 – 10.5
Dynamic Wrist Fixator	11.1 – 11.6
Radiolucent Wrist Fixator	12.0
Mini Fixators	13.1 – 13.4
Minirail System	14.1 – 14.3
Bone Screw	15.1 – 15.6
Bonofix 5 External Fixation System	16.1 – 16.6
Bonofix 8 External Fixation System	17.1 – 17.11
AO III External Fixation System	18.1 – 18.6
Fixing Vertebral And Spinal System	19.1 – 19.2
Titanium Ortho - Fixator System	20.1 – 20.2
LineFix and Colles Fixator	21.1 – 21.3
Ao Type External Fixators	22.1 – 22.5
Ilizarov Ring Fixators	23.1 – 23.8
Distal Radius Fixator	24.1



DNV BUSINESS ASSURANCE

EC CERTIFICATE - FULL QUALITY ASSURANCE SYSTEM

Certificate No. 4825-2014-CE-IND-NA

This Certificate consists of 7 pages

This is to certify that the Quality Management System of

Auxein Medical Private Limited

Plot No. 169, Secgtor-57, Phase-IV, Kundli Industrial Area,
Sonepat – 131 028, Haryana, India.

for design, production and final product inspection/testing of

Orthopaedic Implants & External Fixators

has been assessed with respect to

the conformity assessment procedure described in Article 11.3.a and Annex II excluding section 4 (Module H) of Council Directive 93/42/EEC on Medical Devices, as amended, and found to comply

Further details are given overleaf

Place and date:

Høvik, 23 October 2014

This Certificate is valid until:

23 October 2019

For DET NORSKE VERITAS CERTIFICATION AS
NORWAY



Mariann Jeremiassen

Mariann Jeremiassen
Certification Manager

Notified Body No.:
0434

Aud Løken Eiklid
Technical Reviewer

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DNV BUSINESS ASSURANCE

PRODUCT QUALITY MANAGEMENT CERTIFICATE

Certificate No. 4826-2014-CE-IND-NA
This Certificate consists of 4 pages

This is to certify that the Quality Management System of

Auxein Medical Private Limited

Plot No. 169, Secgtor-57, Phase-IV, Kundli Industrial Area,
Sonapat – 131 028, Haryana, India.

for production and final product inspection/testing of

Surgical Instruments

has been assessed with respect to

the conformity assessment procedure described in Annex V, including the requirements for documentation specified in Annex VII, section 3 of Council Directive 93/42/EEC on Medical Devices, as amended, and found to comply

Further details are given overleaf

Place and date:

Høvik, 23 October 2014

For DET NORSKE VERITAS CERTIFICATION AS
NORWAY



This Certificate is valid until:

23 October 2019

Mariann Jeremiassen
Certification Manager

Aud Løken Eiklid
Technical Reviewer

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DNV BUSINESS ASSURANCE MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 160983-2014-AQ-IND-NA

This is to certify that the Management System of:

Auxein Medical Pvt Ltd.

H.O : 7 A, Nirankari Colony, Near Kingsway Camp Road, Delhi-110009, India.

Works: Plot no 169 , Sector 57, Phase-IV, Kundli Industrial Area HSIIDC Sonapat, - 131028, Haryana, India.

has been found to conform to the standard:

ISO 13485:2003 / NS-EN ISO 13485 : 2012 / ISO 9001:2008

This Certificate is valid for the following product or service ranges:

Design, Development, Manufacture and Supply of Sterile & Non Sterile orthopaedic Implants, External Fixators and Orthopaedic Surgical Instruments.

Initial Certification date:

5 August 2014

This Certificate is valid until:

5 August 2017

The audit has been performed under the supervision of

Amitabh Sharma
Lead Auditor



Place and date:

Høvik, 5 August 2014

for the Accredited Unit:
**DET NORSKE VERITAS
CERTIFICATION AS, NORWAY**

Eugenie Winger Husebye
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

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HEAD OFFICE, Det Norske Veritas AS, Veritasveien 1, 1322 Høvik, Norway Tel: +47 67 57 99 00 Fax: +47 67 57 99 11 - www.dnv.com



CERTIFICATE OF INSPECTION

This certificate is granted to the organization, Manufacturer

AUXEIN MEDICAL PVT. LTD.

Office: 7/A, Nirankari Colony, Delhi 110009 - India

Works: Plot No. 169, Phase -4, Sector - 57, HSIIDC, Kundli Industrial Area, Haryana.

WHO GMP requirements have been assessed for the defined scope and found to be in compliance with the requirements applicable as per WHO GMP Guidelines for

SCOPE OF SUPPLY

Manufacture And Distribution Of Orthopaedic Internal Joint Prosthesis Screws, Plates, Nails, Wires, Pins, Maxillofacial Implant, Spinal Implants, External Fixators And Associated Instruments

Certificate No : 06.13.4027.6103

Date of Issue : 12.11.2014 (22.08.2013)

Expiry date : 21.08.2016

First Quality Certification
Product Certificate Approved
Istanbul

This certificate remains the property of FQC and the certificate validation shall be ensured through regular surveillance audits. This must not be copied in whole or in part without the written permission of the managing Director of FQC. Deliberate misuse of the certificate or schedule will result in cancellation without notification. The product liability rests with the manufacturer or his representative in accordance with Good Manufacturing Practice Standard



Extra Caliber External Fixator

Extra - Caliber Fixator Kits Complete with Universal Allen Wrench and Clamp Cap



EF160
Radiolucent Tibia Kit, Long

EF161
Radiolucent Tibia Kit, Short



EF162
Hybrid Kit, Long

EF163
Hybrid Kit, Short



EF164
Radiolucent Ankle Kit, Long

EF165
Radiolucent Ankle Kit, Short



(a)
Dynamic Compression - Distraction Unit

Components



EF23
Supplementary Screw Holder
(Bar and Clamps), Sterile



EF24
Supplementary Screw Holder
(Bar, Clamps and Fixator Body Attachment)



EF25
Supplementary Screw Holder
Bar Radiolucent Length 150mm

EF26
Supplementary Screw Holder
Bar Radiolucent Length 300mm



EF27
Supplementary Screw
Holder Clamp



EF28
Posts Length 50 mm

EF29
Posts Length 100 mm

EF30
Posts Length 150 mm

Template and Instrumentation



EF33

RadioLucent Ankle Pin Guide, Sterile
To provide visualisation of rotational axis of the tibio-talar joint and correct screw positioning.



Screw Guides

- EF44 - Length 45 mm
- EF45 - Length 60 mm
- EF46 - Length 80 mm
- EF47 - Length 100 mm
- EF53 - Length 160 mm

Screw Guide length depends on soft tissue dimensions.



EF57

Ruland Pilot Wire Guides Ø2.0mm
Length 75 mm

EF58

Ruland Pilot Wire Guides Ø2.0mm
Length 115 mm

For insertion of X-wires.



Drill Guides - Ø 3.2 mm

- EF62 - Length 20 mm
- EF63 - Length 40 mm
- EF64 - Length 80 mm

Drill Guides - Ø 4.8 mm

- EF65 - Length 40 mm
- EF66 - Length 60 mm
- EF67 - Length 80 mm
- EF68 - Length 140 mm

Drill Guide size depends on Drill Bit diameter and Screw Guide Length.

Insturments



EF69
Hammer

EF70
Hammer Interchangeable Head

EF71
Hammer Locking Nut



EF72
Tapered Trocar
Used Within a screw guide to locate an appropriate position on the cortex.



EF76
Extra-Caliber Manipulation Forceps
(1 pair)



EF77
Universal Allen Wrench



EF78
Allen Wrench 3mm

Drill Bit Ø 3.2 mm

EF86 - Length 140 mm

EF87 - Length 200 mm

*For Ø 6-5mm cancellous screws and**Ø 4.5-3.5mm cortical screws.*

EF86, EF87, Drill Bit Kits Ø 3.2 mm

*consisting of: 1 Allen Wrench 3mm**1 Drill Bit Stop Unit Ø3.2mm and**1 Drill Bit (140mm in kit EF86 and 200mm in kit EF87).***Drill Bit Ø 4.8 mm**

EF88 - Length 180 mm

EF89 - Length 240 mm

EF90 - Length 280 mm

For Ø6-Ø5mm cortical screws.

EF88, EF89, EF90, Drill Bit Kits Ø 4.8 mm

*Consisting of: 1 Allen Wrench 3mm,**1 Drill Bit Stop Unit Ø4.8mm and**1 Drill Bit (180mm in kit EF88; 240mm in kit EF89
and 280mm in kit EF90).***Cannulated Bits Ø 3.2 mm**

EF94 - Length 150 mm

EF95 - Length 300 mm

With 1.8mm Cannulation

EF94, EF95, Cannulated Drill Bit Kits Ø 3.2 mm

*Consisting of: 1 Allen wrench 3mm,**1 Drill Bit Stop Unit Ø3.2mm and**1 Cannulated Drill Bit (150mm in kit EF94; 300mm in kit EF95).***Cannulated Bits Ø 4.8 mm**

EF96 - Length 150 mm

EF97 - Length 250 mm

EF98 - Length 280 mm

With 2.2mm cannulation.

EF98 Cannulated Drill Bit Kit Ø 4.8 mm

*Consisting of: 1 Allen wrench 3mm,**1 Drill Bit Stop Unit Ø4.8mm and**1 Cannulated Drill Bit 280mm.***EF82**

Drill Bit Stop Units - Ø3.2 mm

EF83

Drill Bit Stop Units - Ø4.8 mm

X-Wires without Olive

EF99 - Ø1.5mm, Length 250mm

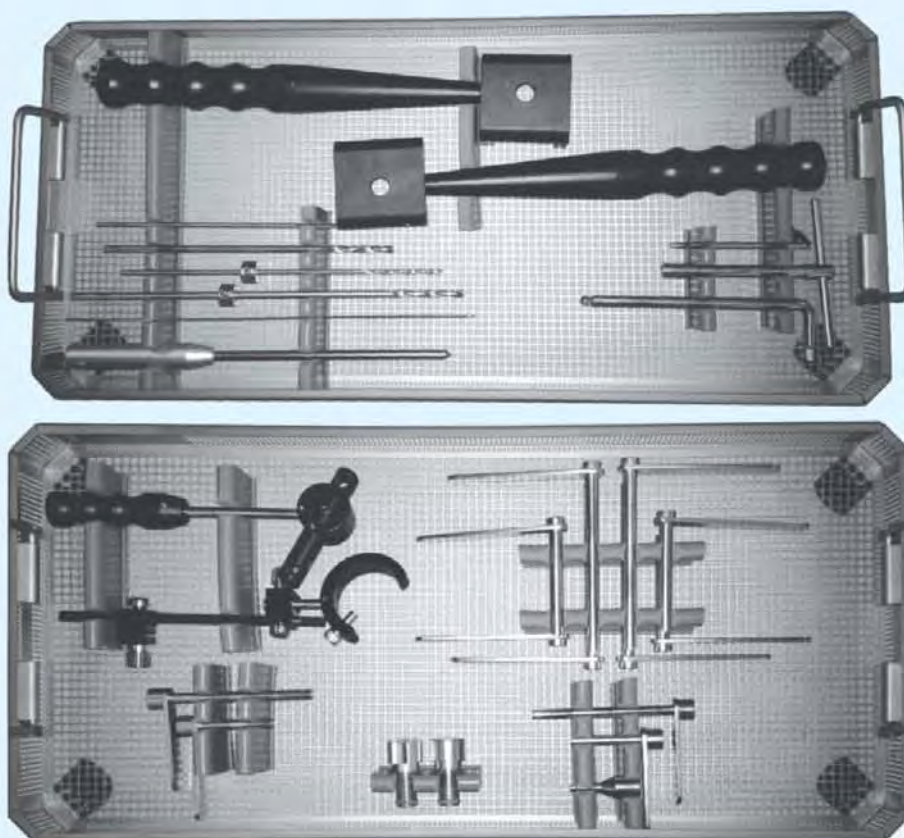
(To be used with 3.2mm Cannulated Drill Bit).

EF100 - Ø2.0mm, Length 150mm

(To be used with 4.8mm Cannulated Drill Bit).**EF108 - T-wrench***Used to insert or
remove bone screws.*

EF01

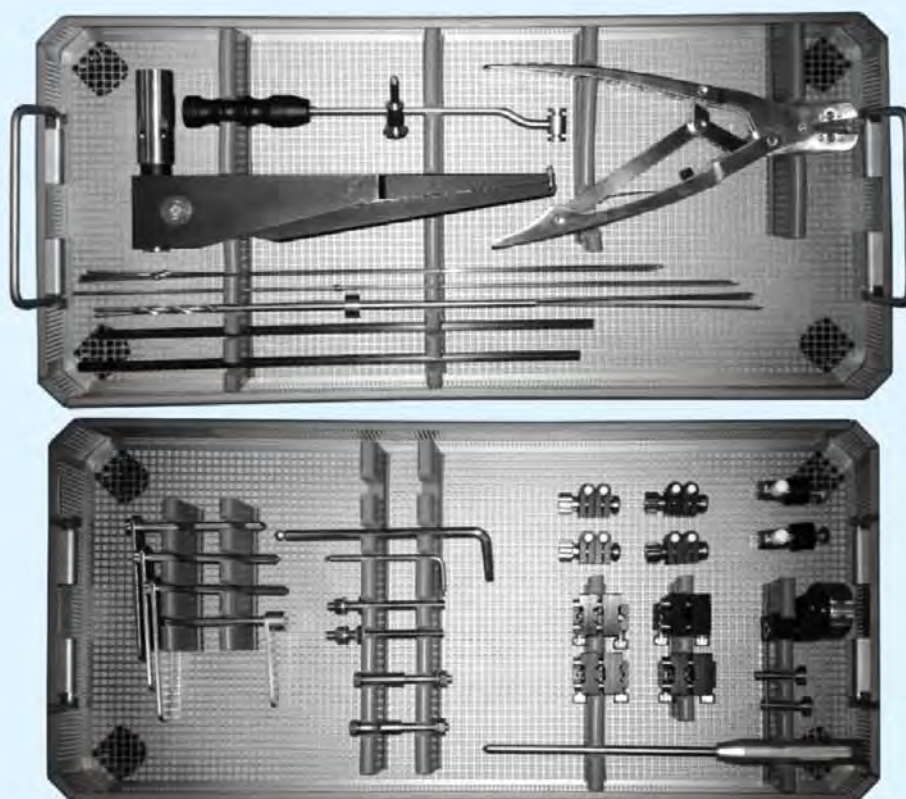
Extra-Caliber Radiolucent Tibia/Ankle Instruments Sterilization Box, empty



EF01-T	Tray	1
EF80	Allen Wrench 6mm	1
EF87	Drill Bit, 200mm Ø3.2mm	1
EF88	Drill Bit, 180mm Ø4.8mm	1
EF89	Drill Bit, 240mm Ø4.8mm	1
EF94	Cannulated Drill Bit, 150mm, Ø3.2mm	1
EF63	Drill Guide, 40mm Ø3.2mm	1
EF64	Drill Guide, 80mm Ø3.2mm	1
EF65	Drill Guide, 40mm Ø4.8mm	1
EF67	Drill Guide, 80mm Ø4.8mm	1
EF45	Screw Guide, 60mm	4
EF47	Screw Guide, 100mm	4
EF78	Allen Wrench 3mm	2
EF108	T-Wrench	1
EF72	Tapered Trocar	1
EF76	Radiolucent Manipulation Forceps (1 pair)	1
EF24	Supplementary Screw Holder	1
EF33	Ankle Pin Guide	1
EF99	Kirschner Wire (Xwire) 250mm, Ø1.5mm	2
EF740	Screw Connector	1
EF83	Drill Bit Kit, Stop Unit Ø4.8mm	1
EF82	Drill Bit Kit, Stop Unit Ø3.2mm	1

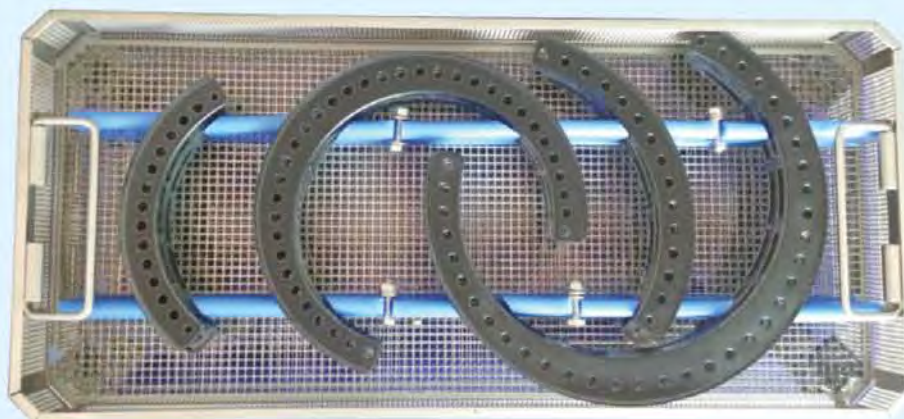
EF02

Hybrid Instruments Steribox, empty



EF02-T	Tray	1
EF46	Screw Guide, 80mm	3
EF66	Drill Guide, 60mm Ø4.8mm	1
EF89	Drill Bit, Ø4.8mm x 240mm	1
EF80	Allen Wrench 6mm	1
EF72	Tapered Trocar	1
EF37	Wire Tensioner	1
EF38	Wire Cutter	1
EF26	Reinforcement Bars 300mm	2
EF36	Wire Guide	1
EF28	Post, Length 50mm	2
EF440	Two-Hole Kirschner Wire Securing Pin	2
EF445	Three Hole Sliding Unit	2
EF104	Kirschner Wire (XWire) with lateral olive Ø2mm x 350mm	4
EF101	Kirschner Wire (XWire) without lateral olive Ø2mm x 400mm	4
EF114	Kirschner Wire (XWire) without central olive Ø2mm	2
EF118	Open End Wrench Ø2mm	2
EF441	Independent Wire Clamp	2
EF444	Single Screw Clamp	2
EF27	Supplementary Screw Holder Clamp	4
EF78	Allen Wrench 3mm	1
EF83	Drill Bit Kit, Stop Unit Ø4.8mm	1
EF442	Hybrid Coupling with Ball-joint	1

EF03
Extra-Caliber Hybrid System Rings Steribox, empty



EF03-T	Tray	1
EF429	2/3 Radiolucent Ring Ø150mm	2
EF435	1/3 Radiolucent Ring Ø150mm	2
EF430	2/3 Radiolucent Ring Ø175mm	2
EF436	1/3 Radiolucent Ring Ø175mm	2
EF431	2/3 Radiolucent Ring Ø190mm	2
EF437	1/3 Radiolucent Ring Ø190mm	2
EF433	Ring Locking Screw	2

Dynamic Axial Fixator



EF135

D.A.F. Fixator Kit, Short

Complete with appropriate Compression-Distraction Unit and Allen Wrench 6mm.

(21.6cm between outermost screws when fixator body fully closed: extends by 2.75 cm)



EF140

D.A.F. Fixator Kit, Standard

Complete with appropriate Compression-Distraction Unit and Allen Wrench 6mm.

(23.6cm between outermost screws when fixator body fully closed: extends by 4 cm)



EF141

D.A.F. Fixator Kit, Long

Complete with appropriate Compression-Distraction Unit and Allen Wrench 6mm.

(27.6cm between outermost screws when fixator body fully closed: extends by 8 cm)

Ball-Jointed Modules



EF202

Straight Clamp

Allows the fixator to act as its own template and enables screws to be inserted in a plane parallel to the diaphyseal axis of the bone.



EF203

T-Clamp

Allows the fixator to act as its own template and enables screws to be inserted in a plane at right angles to the diaphyseal axis of the bone.



EF204

Ball-Jointed Module For Independent Screw Placement

For iliac crest applications.

Consisting of:

*1 Bar with Ball-Joint and 2 independent Screw Clamps.
Enables screws to be placed freehand in chosen positions
on the iliac crest.*



EF205

Elbow Extended Range Clamp

Acts as its own template for screw insertion in the ulna. It is used when a wider choice of angle for screw placement is necessary.



EF206

Radiolucent Ankle Clamp

For left and right application

*This module should be applied with its appropriate
radiolucent Ankle Pin Guide,
Radiolucent Ankle Clamp and Radiolucent
Ankle Pin Guide are also available as a Sterile Kit*

Ball-Jointed Modules



EF207
Hybrid Coupling with Ball-Joint
 For fixator bodies EF140, EF141 and EF135. To be used with the Hybrid Fixation System.



EF208
Metaphyseal Clamp
 Consists of a horizontal and a vertical component, for screw placement in both epiphyseal and meta-diaphyseal regions of the bone.



EF19
Torbay-Garches Clamp
 For convergent screw placement in a plane at right angles to the diaphyseal axis of the bone, in cases where space is limited.



EF209
Trauma-Garches Clamp
 For convergent screw placement in a plane at right angles to the diaphyseal axis of the bone, in cases where space is limited.



EF210
Angled Clamp
 Allows screws to be inserted along the femoral neck at an angle of 125° to the longitudinal axis of the bone.
 Use special screw guide EF53
 drill guide EF68 and drill bit kit EF90.



EF211
Double-Coupling Clamp
 For joining two D.A.F. or ProCallus units in series.
 Normally used for central dislocation of the hip.

Sterile Radiolucent Ankle Kit



EF34

RadioLucent Ankle Clamp Kit, Sterile

Consisting of:

*1 RadioLucent Ankle Pin Guide, sterile
and 1 RadioLucent Ankle Clamp, sterile.*

Non Ball-Jointed Modules



EF24
Supplementary Screw Holder
Bar, Clamps and Fixator Body Attachment



EF27
Supplementary Screw Holder Clamp



EF156
ProCallus Self-aligning
Articulated Body Assembly Kit

Components / Replacements



D.A.F. Central Bodies, Short
Complete With 2 Cams, 2 Bushes, 1 D.A.F. Micromovement Locking Nut and 1 D.A.F. Central Body Locking Nut.

EF214 - Standard.

EF221 - Long.

EF222 - Short.



D.A.F. Central Body Male Components

EF757 - Standard.

EF759 - Long.

EF761 - Short.



D.A.F. Central Body Female Components

EF758 - Standard.

EF760 - Long.

EF762 - Short.



EF215
D.A.F. Micromovement
Locking Nut



EF216
D.A.F. Central Body Locking Nut



EF217
Bush



EF218
Cam



EF219
Clamp Screw



EF220
Radio Lucent Ankle Clamp
Articulation Locking Nut

Components / Replacements



Compression-Distraction Units

EF227

Standard, Extends to 4 cm

EF228

Long, Extends to 8 cm

EF229

Short, Extends to 2.75 cm



Actuators

*for early applied cyclic micromovement
before patient can weightbear*

EF278

Standard, Extends to 4 cm

EF279

Long, Extends to 8 cm

EF280

Short, Extends to 2.75 cm

Templates



EF21
Radio Lucent Ankle Pin Guide
To provide visualization of rotational axis of the tibio-talar joint and correct screw positioning.



EF33
RadioLucent Ankle Pin Guide, Sterile

Instrumentation



Screw Guides

- EF43 - Length 32 mm
- EF44 - Length 45 mm
- EF45 - Length 60 mm
- EF46 - Length 80 mm
- EF47 - Length 100 mm
- EF53 - Length 160 mm

Screw Guide length depends on soft tissue dimensions.



Ruland Pilot wire Guides

Ø 2.0 mm

- EF57 - Length 75 mm
- EF58 - Length 115 mm

For insertion of X-Wires.



Drill Guides Ø 2.9 mm

- EF61 - Length 20 mm

Drill Guides Ø 3.2 mm

- EF62 - Length 20 mm
- EF63 - Length 40 mm
- EF64 - Length 80 mm

Drill Guides Ø 4.8 mm

- EF65 - Length 40 mm
- EF66 - Length 60 mm
- EF67 - Length 80 mm
- EF68 - Length 140 mm

Drill Guide size depends on Drill Bit diameter and Screw Guide Length.



EF72

Tapered Trocar

Used Within a screw guide to locate an appropriate position on the cortex.



EF38

Allen Wrench 6 mm

Instrumentation



EF69
Hammer

EF70
Hammer Interchangeable Head

EF71
Hammer Locking Nut



EF78
Allen Wrench 3mm



Drill Bit Ø 2.9 mm
EF91 - Length 140 mm

*For Ø3.5-3.2 mm cortical screws.
EF91 Drill Bit Kit Ø 2.9 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø2.7/2.9mm
and 1 Drill Bit 140mm.*

Drill Bit Ø3.2 mm
EF86 - Length 140 mm
EF87 - Length 200 mm

*For Ø 6-5mm cancellous screws
and Ø 4.5-3.5mm cortical screws.
EF86, EF87, Drill Bit Kits Ø 3.2 mm
Consisting of: 1 Allen wrench 3 mm,
1 Drill Bit Stop unit Ø3.2mm and
1 Drill Bit (140mm in Kit 13003 and 200mm in kit 11003).*

Drill Bit Ø 4.8 mm
EF88 - Length 180 mm
EF89 - Length 240 mm
EF90 - Length 280 mm

*For Ø 6-5mm cortical screws.
EF88, EF89, EF90
Drill Bit Kits Ø 4.8 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø4.8mm and
1 Drill Bit (180mm in kit EF88;
240mm in kit EF89 and 280mm in kit EF90).*



Drill Bit Stop Units
EF736/EF735 - Ø2.7/2.9 mm
EF82 - Ø3.2 mm
EF83 - Ø4.8 mm

Instrumentation



Cannulated Bits Ø 3.2 mm

EF94 - Length 150 mm

EF95 - Length 300 mm

With 1.8mm Cannulation

EF94, EF95, Cannulated Drill Bit Kits Ø 3.2 mm

Consisting of: 1 Allen wrench 3mm,

1 Drill Bit Stop Unit Ø3.2mm and

1 Cannulated Drill Bit (150mm in kit EF94; 300mm in kit EF95).

Cannulated Bits Ø 4.8 mm

EF96 - Length 150 mm

EF97 - Length 250 mm

EF98 - Length 280 mm

With 2.2mm cannulation.

EF98 Cannulated Drill Bit Kit Ø 4.8 mm

Consisting of: 1 Allen wrench 3mm,

1 Drill Bit Stop Unit Ø4.8mm and

1 Cannulated Drill Bit 280mm.

X-wires without olive

EF99 - Ø1.5mm, Length 250mm

(To be used with 3.2mm Cannulated Drill Bit).

EF100 - Ø2.0mm, Length 150mm

(To be used with 4.8mm Cannulated Drill Bit).



Instrumentation



EF108 - T-wrench

Used to insert or remove bone screws.



EF109

Torque wrench 6 mm

Only used for locking the cams of the ball-joints; it should be rotated clockwise untill a click is heard.



EF110

Fixator Self-Locking Manipulation Forceps

distance surgeon's hands from x-ray during fracture reduction.

Assembly Kit; Consisting of:
Screw Guide

EF45 - Length 60mm

EF45a - Length 100 mm

Drill Guide Ø3.2 mm

EF63 - Length 40 mm

EF64 - Length 80 mm

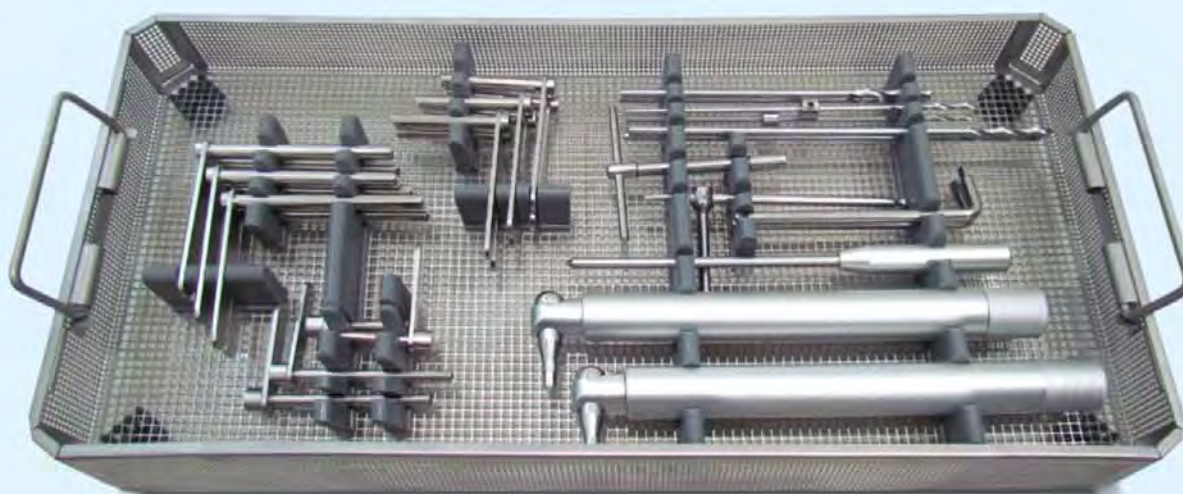
Drill Guide Ø4.8 mm

EF65 - Length 40 mm

EF67 - Length 80 mm

EF72 - Tapered Trocar

EF04
Instruments Steribox, empty



EF04-T	Tray	1
EF80	Allen Wrench 6mm	2
EF87	Drill Bit, 200mm Ø3.2mm	2
EF88	Drill Bit, 180mm Ø4.8mm	2
EF89	Drill Bit, 240mm Ø4.8mm	2
EF78	Allen Wrench 3mm	2
EF108	T-Wrench	1
EF63	Drill Guide, 40mm Ø3.2mm	1
EF64	Drill Guide, 80mm Ø3.2mm	1
EF65	Drill Guide, 40mm Ø4.8mm	1
EF67	Drill Guide, 80mm Ø4.8mm	1
EF45	Screw Guide, 60mm	6
EF47	Screw Guide, 100mm	6
EF109	Torque Wrench	1
EF83	Drill Bit Kit, Stop Unit Ø4.8mm	1
EF82	Drill Bit Kit, Stop Unit Ø3.2mm	1
EF72	Trocar	1

EF05
D.A.F. System with Actuator Steribox, empty



EF05-T	Tray	1
EF135	Short Kit	1
EF140	Standard Kit	1
EF141	Long Kit	1
EF203	T-Clamp	1
EF108	T-Wrench	1
EF740	Screw Connector	1
EF208	Metaphyseal Clamp	1
EF23	Supplementary Screw Holder	1
EF80	Allen Wrench 6mm	2

Small Dynamic Axial Fixator



EF133
Small D.A.F. Kit
 Complete with Compression-Distraction unit and Allen Wrench 5 mm (16.4 cm between outermost screws when fixator body fully closed: extends by 4.5 cm).

Ball-Jointed Modules



EF212
Small D.A.F. Straight Clamp
 Enables screws to be inserted in a plane parallel to the diaphyseal axis of the bone.



EF213
Small D.A.F. T-Clamp
 Enables screws to be inserted in a at Right angles to diaphyseal axis of the bone.

Non Ball-Jointed Modules



EF27
Supplementary Screw Holder Clamp

Components / Replacements



EF287

Small D.A.F. Central Body
Complete with 2 cams, 2 Bushes
and 2 Small D.A.F. Central Body
Locking Nuts.



EF289

Small D.A.F. Central Component



EF290

Small D.A.F. Male Component



EF291

Small D.A.F. Female Component



EF292

Small D.A.F. Central Body
Locking Nut



EF293

Small D.A.F. Bush

Components / Replacements



EF294
Cam



EF295
Clamp Screw



EF296
Small D.A.F. Clamp Cover



EF269
Compression-Distraction Unit
Extends to 5 cm.



EF27
Supplementary Screw
Holder Clamp

Instrumentation



Cannulated Bits Ø 3.2 mm

EF94 - Length 150 mm

With 1.8mm Cannulation

EF94, Cannulated Drill Bit Kits Ø 3.2 mm

Consisting of: 1 Allen wrench 3mm,

1 Drill Bit Stop Unit Ø3.2mm and

1 Cannulated Drill Bit 150mm.

Cannulated Bits Ø 4.8 mm

EF96 - Length 150 mm

With 2.2mm cannulation.



Screw Guides

EF42 - Length 32 mm

EF44 - Length 45 mm

EF45 - Length 60mm

Screw Guide length depends on soft tissue dimensions.



Drill Guides Ø 2.9 mm

EF61 - Length 20 mm

Drill Guides Ø 3.2 mm

EF62 - Length 20 mm

EF63 - Length 40 mm

Drill Guides Ø 4.8 mm

EF65 - Length 40 mm

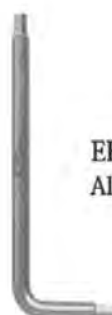
EF66 - Length 60 mm



EF72

Tapered Trocar

Used Within a screw guide to locate an appropriate position on the cortex.



EF733

Allen Wrench 3mm

Instrumentation



Drill Bit Ø 2.9 mm
EF91 - Length 140 mm

*For Ø3.5-3.2 mm cortical screws.
EF91 Drill Bit Kit Ø 2.9 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø2.7/2.9mm and
1 Drill Bit 140mm.*

Drill Bit Ø3.2 mm
EF86 - Length 140 mm

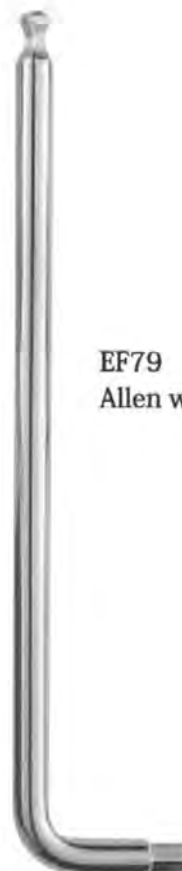
*For Ø 6-5mm cancellous screws
and Ø 4.5-3.5mm cortical screws.
EF86, Drill Bit Kits Ø 3.2 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø3.2mm and
1 Drill Bit 140mm.*

Drill Bit Ø 4.8 mm
EF88 - Length 180 mm

*For Ø 6-5mm cortical screws.
EF86, Drill Bit Kits Ø 4.8 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø4.8mm and
1 Drill Bit 180mm.*



Drill Bit Stop Units
EF736/ EF735 - Ø2.7/2.9 mm
EF82 - Ø3.2 mm
EF83 - Ø4.8 mm



EF79
Allen wrench 5 mm



EF69
Hammer

EF70
Hammer Interchangeable Head

EF71
Hammer Locking Nut

Instrumentation



EF108 - T-wrench

Used to insert or remove bone screws.

X-Wires Without Olive

EF99 - Ø1.5mm, Length 250mm

(To be used with 3.2mm Cannulated Drill Bit).

EF100 - Ø2.0mm, Length 150mm

(To be used with 4.8mm Cannulated Drill Bit).



EF116

Torque Wrench 5 mm

Only used for locking the cams of the ball-joints: it should be rotated clockwise until a click is heard.



7

for Self-Locking Manipulation Forceps

Prevents surgeon's hands from slipping during fracture reduction.

Small D.A.F.

Assembly Kit; Consisting of:

Screw Guide

EF43 - Length 32mm

EF45 - Length 60 mm

Drill Guide Ø3.2 mm

EF62 - Length 20 mm

EF63 - Length 40 mm

Drill Guide Ø4.8 mm

EF65 - Length 40 mm

EF72 - Tapered Trocar

Fixation For HTO (High Tibial Osteotomy)



EF156

Self-aligning Articulated Body Assembly kit

*Consisting of: 1 Self-aligning Articulated Body,
1 Standard Body Male Component, 1 Central Body Locking Nut,
2 Bushes, 2 Cams, 1 Straight Clamp, 1 ProCallus T-Clamp,
1 Micromovement Locking Nut, 1 Compression-Distraction Unit Standard.*



EF151

Maxtor Assembly with LRS Rail and LRS OF-Garches T-Clamp

*Consisting of: 1 OF-Garches T-Clamp,
OF-Garches Standard Compression
Distraction Unit, 1 L.R.S. Rail short,
L.R.S. Straight Central Clamp.*

Components / Replacements



EF298
LRS OF-Garches T-Clamp
 For upper metaphyseal osteotomies
 and valgus or varus correction.



EF299
OF-Garches Standard T-Clamp



EF306
**OF-Garches Compression-
 Distraction Units, Standard,**
 Extends to 5.5 cm

EF307
**OF-Garches Compression-
 Distraction Units, Long,**
 Extends to 10 cm



EF300
**OF-Garches T-Clamp Axis
 Locking Nut**



EF301
D.A.F. Central Body Locking Nut



EF302
Clamp Screw



EF303
Clamp Cover

Templates



EF199
L.R.S. OF-Garches T-Clamp
Template

Instrumentation



Screw Guides

- EF43 - Length 32 mm
- EF44 - Length 45 mm
- EF45 - Length 60 mm
- EF46 - Length 80 mm
- EF47 - Length 100 mm
- EF53 - Length 160 mm

*Screw Guide Length depends on
soft tissue dimensions.*



EF57
Ruland Pilot wire Guides Ø2.0mm
Length 75 mm

EF58
Ruland Pilot wire Guides Ø2.0mm
Length 115 mm

For insertion of X-wires.



Drill Guides; Ø 3.2 mm

- EF62 - Length 20 mm
- EF63 - Length 40 mm
- EF64 - Length 80 mm

Drill Guides; Ø 4.8 mm

- EF65 - Length 40 mm
- EF66 - Length 60 mm
- EF67 - Length 80 mm
- EF68 - Length 140 mm

*Drill Guide size depends on
Drill Bit diameter and Screw Guide Length.*

Instrumentation



EF69
Hammer

EF70
Hammer Interchangeable Head

EF71
Hammer Locking Nut



EF72
Tapered Trocar
Used Within a screw guide to locate an appropriate position on the cortex.



EF78
Allen Wrench 3mm



EF80
Allen wrench 6 mm

Instrumentation



Drill Bit Ø 3.2 mm

EF86 - Length 140 mm

EF87 - Length 200 mm

For Ø 6-5mm cancellous screws and Ø4.5-3.5mm cortical screws.

EF86, EF87, Drill Bit Kits Ø 3.2 mm

consisting of: 1 Allen Wrench 3mm

1 Drill Bit Stop Unit Ø3.2mm and

1 Drill Bit (140mm in kit EF86 and 200mm in kit EF87).

Drill Bit Ø 4.8 mm

EF88 - Length 180 mm

EF89 - Length 240 mm

EF90 - Length 280 mm

For Ø6-Ø5mm cortical screws.

EF88, EF89, EF90, Drill Bit Kits Ø 4.8 mm

Consisting of: 1 Allen Wrench 3mm,

1 Drill Bit Stop Unit Ø4.8mm and

1 Drill Bit (180mm in kit EF88; 240mm in kit EF89 and 280mm in kit EF90).



EF82

Drill Bit Stop Units - Ø3.2 mm

EF83

Drill Bit Stop Units - Ø4.8 mm



EF116

Torque Wrench 5 mm

Only used for locking the cams of the ball-joints: it should be rotated clockwise until a click is heard.

Instrumentation

Cannulated Bits Ø 3.2 mm

EF94 - Length 150 mm

EF95 - Length 300 mm

With 1.8mm Cannulation

EF94, EF95, Cannulated Drill Bit Kits Ø 3.2 mm

Consisting of: 1 Allen wrench 3mm,

1 Drill Bit Stop Unit Ø3.2mm and

1 Cannulated Drill Bit (150mm in kit EF94; 300mm in kit EF95).

Cannulated Bits Ø 4.8 mm

EF96 - Length 150 mm

EF97 - Length 250 mm

EF98 - Length 280 mm

With 2.2mm cannulation.

EF98 Cannulated Drill Bit Kit Ø 4.8 mm

Consisting of: 1 Allen wrench 3mm,

1 Drill Bit Stop Unit Ø4.8mm and

1 Cannulated Drill Bit 280mm.

X-Wires without Olive

EF99 - Ø1.5mm, Length 250mm

(To be used with 3.2mm Cannulated Drill Bit).

EF100 - Ø2.0mm, Length 150mm

(To be used with 4.8mm Cannulated Drill Bit).



EF108 - T-wrench

*Used to insert or
remove bone screws.*

Pertrochanteric Fixator



EF142
Pertrochanteric Fixator Complete
with Allen Wrench 5 mm

Components / Replacements



EF122
Pertrochanteric Fixator
Angulation Locking Screw



EF124
Pertrochanteric Fixator
Rotation Locking Screw



EF123
Pertrochanteric Fixator Dista
Rotation locking Screw

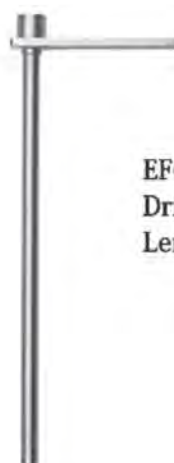
Instrumentation



EF731
Petrochanteric Screw Guide,
Length 150 mm.
*Following insertion of the 2 mm
X-Wire along the femoral neck,
ensures that the path of the proximal
screw is exactly parallel to that of the X-Wire.*



EF732
Screw Guide, Length 160 mm.
*To be used for insertion of the
distal femoral neck screw.*



EF68
Drill Guide Ø 4.8 mm,
Length 140 mm.



EF73
Trocar Ø 4.8 mm,
Length 240 mm.
*Used within the Drill Guide to locate
an appropriate Position on the Cortex*



EF74
Trocar 6 mm, Length 240 mm.
*Used within the Petrochanteric
Screw Guide or the Screw Guide to locate
an appropriate position on the cortex.*



EF78
Allen wrench 3 mm

Instrumentation



Drill Bit Ø 4.8 mm
EF90 - Length 280 mm

*EF90 Drill Bit Kit Ø 4.8 mm
Consisting of: 1 Allen Wrench 3 mm,
1 Drill Bit Stop Unit Ø 4.8, 1 Drill Bit, Length 280 mm.*



Drill Bit Stop Units
EF83 - Ø4.8 mm



EF108 - T-wrench
*Used to insert or
remove bone screws.*



EF79
Allen Wrench 5 mm



X-Wires without Olive
EF101 - Ø2.0mm, Length 400mm

Hybrid Fixation System and Ring Fixator

Components / Replacements



EF166

Hybrid Fixator Assembly

*Consisting of: 1 2/3 Ring,
2 Two-Hole X-Wire Securing Pins,
2 Three-Hole Wire Clamp Slider Units, 1 ProCallus
Central Body, 1 ProCallus Straight Clamp,
1 Hybrid Coupling with Ball-Joint, 2 Posts,
2 Supplementary Screw Holder Bars,
4 Supplementary Screw Holder Clamps.*

EF167

Sheffield Ring Fixator Assembly for Trauma

*Consisting of: 2 2/3 Rings, 2 Two-Hole Securing Pins,
2 Three-Hole Wire Clamp Slider Units, 1 Sheffield Clamp,
3 Reduction Units.*



EF168

Sheffield Ring Fixator Assembly for Reconstruction

*Consisting of: 2 2/3 Rings, 2 1/3 Rings, 4 Locking Screws,
1 Sheffield Clamp, 2 Hinge Clamps, 4 Threaded Bars
and 8 Nuts and Washer, 1 Compression-Distraction Clicker Unit,
2 Extension Plates and 2 Single Screw Clamps.*

Components / Replacements

1/3 Rings

(Not illustrated)

EF434 - Inner Ø 125 mm

EF435 - Inner Ø 150 mm

EF436 - Inner Ø 175 mm

EF437 - Inner Ø 190 mm

EF438 - Inner Ø 220 mm



1/3 RadioLucent Rings

EF456 - Inner Ø 125 mm

EF457 - Inner Ø 150 mm

EF458 - Inner Ø 175 mm

EF459 - Inner Ø 190 mm

EF460 - Inner Ø 220 mm

2/3 Rings

EF428 - Inner Ø 125 mm

EF429 - Inner Ø 150 mm

EF430 - Inner Ø 175 mm

EF431 - Inner Ø 190 mm

EF432 - Inner Ø 220 mm



2/3 RadioLucent Rings

(Not illustrated)

EF451 - Inner Ø 125 mm

EF452 - Inner Ø 150 mm

EF453 - Inner Ø 175 mm

EF454 - Inner Ø 190 mm

EF455 - Inner Ø 220 mm



EF433

Ring Locking Screw

To join 1/3 and 2/3 rings together
(two locking screws are necessary).

Components / Replacements



EF439
Foot Ring Inner Ø 150 mm.
For wire fixation of the foot.



EF440
Two-Hole X-Wire Securing Pin



EF441
Independent Wire Clamp



EF442
Hybrid Coupling with Ball-Joint



EF445
Three-Hole wire Clamp Slider Unit
Should be used with 1 or 2 wires only.



EF450
Ring Clamp



EF23
Supplementary Screw Holder
Bar and Clamp, sterile

Components / Replacements



EF27
Supplementary Screw
Holder Clamp



Posts
EF28 - Length 50 mm
EF29 - Length 100 mm
EF30 - Length 150 mm



EF444
Single Screw Clamp



EF446
Hinge Clamp
*Allows variable attachment of the
frame for deformity correction.
It can also be used as a clamp to
secure a screw or wire.*

Components / Replacements



EF447

Extension Plate

Allows variable attachment of components (e.g. hinge clamp, angulated wire) to the ring.



EF448

Translation Rotation Hinge

Enables translation or rotation between two rings for the treatment of deformity. Radiolucent centre allows X-ray targeting of axis.



EF287

Counter Nut

Used for better control of lengthening or as a part of a motor for angular deformity correction.



Threaded Bars

with nuts and washers (set of 3)

EF31 - Length 80 mm

EF32 - Length 120 mm

EF33 - Length 160 mm

EF34 - Length 200 mm



Bolts

with nuts and washers (set of 3)

EF443 - Length 60 mm



Compression-Distraction Clicker Units

EF288 - Standard, Extends to 4 cm.

EF297 - Long, Extends to 8 cm.

Components / Replacements



EF449

Reduction Unit

3 units are required to connect 2 rings.



Hybrid Fixator Assembly Kits

EF304 - Standard

Consisting of:

EF214 - D.A.F. Standard Central Body

EF227 - Compression-Distraction Unit Standard

Extends to 4 cm

EF202 - D.A.F. Straight Clamp

EF207 - Hybrid Coupling with Ball-Joint.

EF305 - Short

Consisting of:

EF222 - D.A.F. Short Central Body

EF229 - Compression-Distraction Unit Short

Extends to 2.75 cm

EF202 - D.A.F. Straight Clamp

EF207 - Hybrid Coupling with Ball-Joint.

Ring Fixator Kits

EF20

Standard Trauma Kit

For all normal trauma indications

EF37	Wire Tensioner	1
EF36	Wire Guide	1
EF153	Cortical Screw, shaft Ø 6 mm, thread Ø 6-5 mm, 130/40 mm	6
EF155	Cortical Screw, shaft Ø 6 mm, thread Ø 6-5 mm, 150/40 mm	6
EF89	Drill Bit Kit Ø 4.8 mm, length 240 mm	1
EF80	Allen Wrench 6 mm	1
EF46	Screw Guide, length 80 mm	3
EF47	Screw Guide, length 100 mm	3
EF67	Drill Guide Ø 4.8 mm, length 80 mm	1
EF38	Wire Cutter	1
EF440	Two-Hole X-Wire securing Pin	2
EF445	Three-Hole Wire Clamp Slider Unit	3
EF450	Clamp	1
EF447	Extension Plate	2
EF103	X-Wire with lateral olive, length 310 mm	4
EF104	X-Wire with lateral olive, length 350 mm	4
EF105	X-Wire with lateral olive, length 400 mm	4
EF114	X-Wire with central olive, length 400 mm	4
EF115	X-Wire with central olive, length 450 mm	4
EF101	X-Wire without olive, length 400 mm	4
EF102	X-Wire without olive, length 450 mm	4
EF428	2/3 Ring, Inner Ø 125 mm	2
EF429	2/3 Ring, Inner Ø 150 mm	2
EF430	2/3 Ring, Inner Ø 175 mm	2
EF431	2/3 Ring, Inner Ø 190 mm	2
EF432	2/3 Ring, Inner Ø 220 mm	2
EF434	1/3 Ring, Inner Ø 125 mm	2
EF435	1/3 Ring, Inner Ø 150 mm	2
EF436	1/3 Ring, Inner Ø 175 mm	2
EF437	1/3 Ring, Inner Ø 190 mm	2
EF438	1/3 Ring, Inner Ø 220 mm	2
EF433	Ring Locking Screw	4
EF446	Hinge Clamp	2
EF118	Open End Wrench	2
EF444	Single Screw Clamp	2
EF449	Reduction Unit	3
EF77	Universal Allen Wrench	1

Ring Fixator Kits

EF693

Lengthening and Correction of Deformities Kit

Use with the Standard Trauma Kit for reconstruction indications

EF288	Standard Compression-Distractor Clicker Unit	3
EF297	Long Compression-Distractor Clicker Unit	3
EF153	Cortical Screw, shaft Ø 6 mm, thread Ø 6-5 mm, 130/40 mm	3
EF155	Cortical Screw, shaft Ø 6 mm, thread Ø 6-5 mm, 150/40 mm	3
EF445	Three-Hole Wire Clamp Slider Unit	3
EF440	Two-Hole X-Wire securing Pin	2
EF450	Sheffield Clamp	1
EF447	Extension Plate	4
EF433	Ring Locking Screw	4
EF446	Hing Clamp	4
EF448	Translation Rotation Hinge	3
EF444	Single Screw Clamp	4

EF920

Cross Joint and Foot Fixation System

Used with the Standard Trauma Kit and lengthening and correction of deformities kit for extended reconstruction indications, including cross joint and foot fixation.

EF288	Standard Compression-Distractor Clicker Unit	3
EF297	Long Compression-Distractor Clicker Unit	3
EF153	Cortical Screw, shaft Ø 6 mm, thread Ø 6-5 mm, 130/40 mm	3
EF155	Cortical Screw, shaft Ø 6 mm, thread Ø 6-5 mm, 150/40 mm	3
EF445	Three-Hole Wire Clamp Slider Unit	2
EF440	Two-Hole X-Wire securing Pin	2
EF450	Sheffield Clamp	1
EF447	Extension Plate	2
EF433	Ring Locking Screw	2
EF446	Hing Clamp	2
EF444	Single Screw Clamp	2

Instrumentation



Screw Guides
 EF46 - Length 80 mm
 EF47 - Length 100 mm



Drill Guides Ø 4.8 mm
 EF67 - Length 80 mm



Drill Bit Ø 4.8 mm
 EF88 - Length 180 mm
 EF89 - Length 240 mm

*EF88, EF89, Drill Bit Kit Ø4.8mm
 Consisting of: 1 Allen wrench 3mm,
 1 Drill Bit Stop Unit Ø4.8mm and
 1 Drill Bit (180mm in kit EF88;
 240mm in kit EF89)*



Drill Bit Stop Units
 EF83 - Ø4.8 mm



EF78
 Allen Wrench 3mm



EF79
 Allen Wrench, 5 mm

EF80
 Allen Wrench, 6 mm



EF36
 Wire Guide

Instrumentations



EF118
Open End Wrench 10 mm
Includes a ring end and
an open end for bolt tightening.



EF81
Universal Allen Wrench



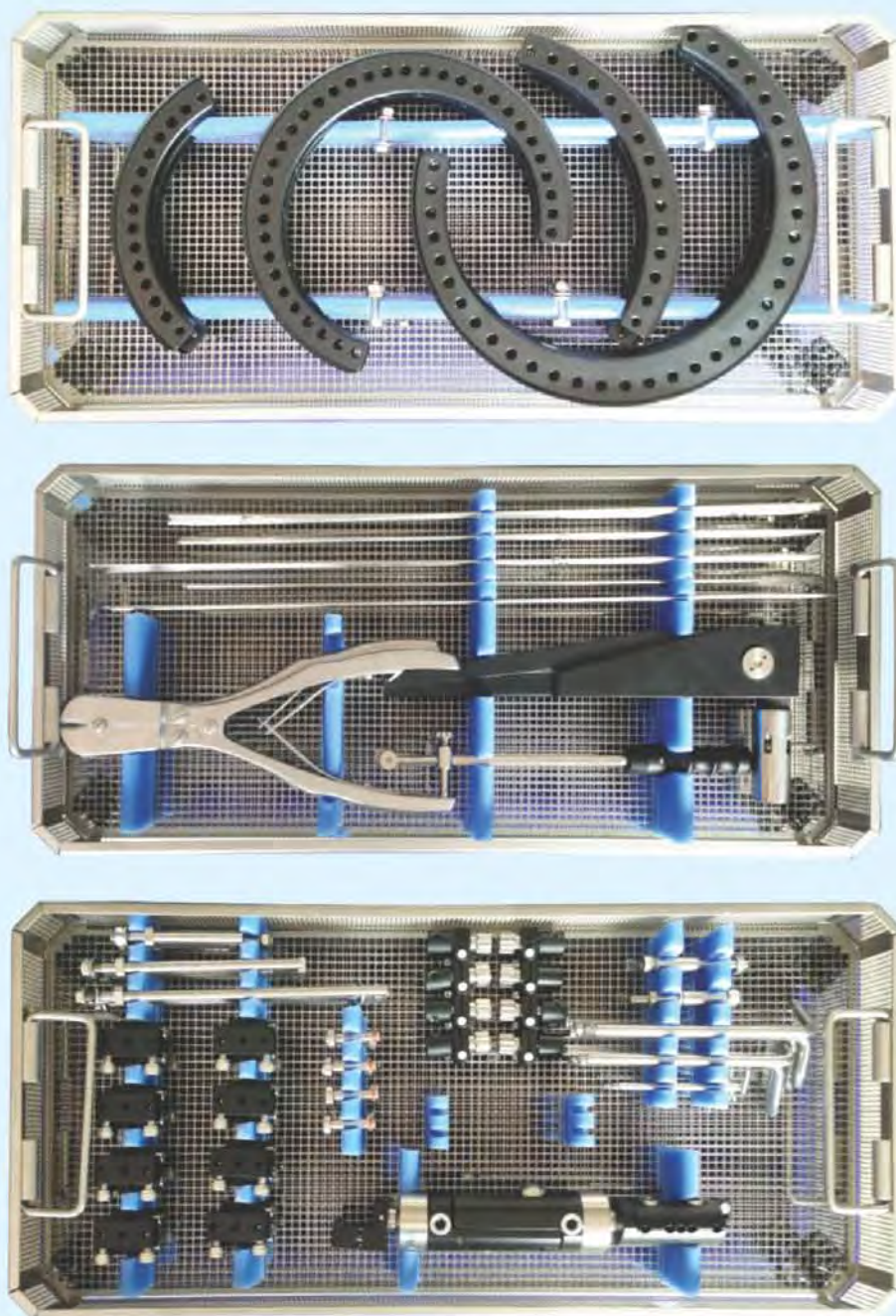
EF37
Wire Tensioner



EF38
Wire Cutter

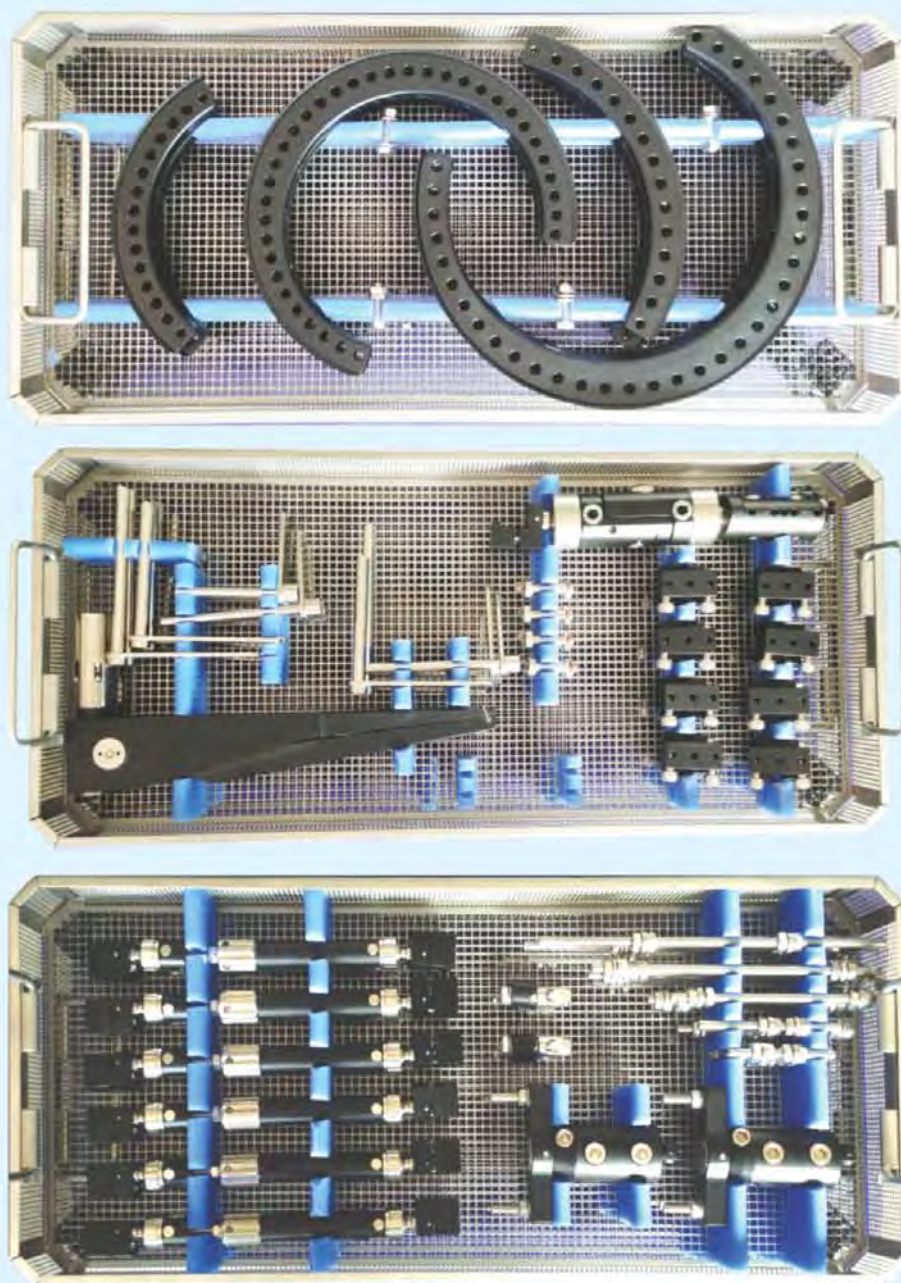
EF39
Wire Cutter Re-use Kit
*Consisting of 2 blades and 2 rubbers
(not illustrated)*

EF07
Hybrid Fixation System Sterilization Box



EF07-T	Tray	3
EF429	2/3 Ring, inner Ø150mm	2
EF435	1/3 Ring, inner Ø150mm	2
EF431	2/3 Ring, inner Ø190mm	2
EF437	1/3 Ring, inner Ø190mm	2
EF756	Ring Locking Screw	8
EF440	Two-Hole X-Wire Securing Pin	8
EF445	Three-Hole Wire Clamp Slider Unit	8
Lower Tray		
EF36	Wire Guide	1
EF37	Wire Tensioner	1
EF304	Hybrid Fixator Standard Assembly Kit Consisting of: 1 D.A.F. Standard Central Body, 1 Compression-Distraction Unit Standard; 1 D.A.F. Straight Clamp; 1 Hybrid Coupling with Ball-Joint.	1
EF38	Wire Cutter	1
EF27	Supplementary Screw Holder Clamp	8
Upper Tray		
EF80	Allen Wrench 6mm	2
EF79	Allen Wrench 5mm	2
EF78	Allen Wrench 3mm	2
EF441	Independent Wire Clamp	2
EF28	Post, length 50mm	3
EF29	Post, length 100mm	3
EF30	Post, length 150mm	3
EF105	X-Wire with lateral olive Ø2mm, length 400mm	8
EF114	X-Wire with central olive Ø2mm, length 400mm	4
EF115	X-Wire with central olive Ø2mm, length 450mm	4
EF101	X-Wire without olive Ø2mm, length 400mm	4
EF102	X-Wire without olive Ø2mm, length 450mm	4

EF08
Hybrid Fixation System Sterilization Box



EF08-T	Tray	3
EF432	2/3 Ring, inner Ø220mm	2
EF438	1/3 Ring, inner Ø220mm	2
EF430	2/3 Ring, inner Ø175mm	2
EF436	1/3 Ring, inner Ø175mm	2

Lower Tray

EF450	Clamp	2
EF444	Single Screw Clamp	2
EF449	Reduction Unit	3
EF46	Screw Guide, length 80mm	3
EF47	Screw Guide, length 100mm	3
EF67	Drill Guide Ø4.8mm, length 80mm	1
EF66	Drill Guide Ø4.8mm, length 60mm	1
EF739	Bolts 60mm (set of 3)	1
EF31	Threaded Bars, length 80mm (set of 3)	1
EF32	Threaded Bars, length 120mm (set of 3)	1
EF33	Threaded Bars, length 160mm (set of 3)	1
EF34	Threaded Bars, length 200mm (set of 3)	1

Upper Tray

EF37	Wire Tensioner	1
EF433	Ring Locking screw	8
EF440	Two-Hole X-Wire Securing Pin	8
EF305	Hybrid Fixator Short	1
	Assembly Kit	
	Consisting of: 1 D.A.F.	
	Straight Clamp,	
	1 D.A.F. Short Central Body, 1 Compression- Distraction Unit Short,	
	1 Hybrid Coupling with Ball-Joint.	
EF449	Reduction Unit	3
EF445	Three-Hole Wire Clamp Slider Unit	8

Adult Limb Reconstruction System

Adult Limb Reconstruction System (L.R.S.) Kits

Complete with Compression-Distraction Units and Allen Wrench 6 mm.



Long
s

Central Clamp EF244



Adult Limb
Reconstruction System (L.R.S.) Standard
Straight Outer Clamps
L.R.S. Straight

Central Clamp EF244



Ef145 - Adult Limb
Reconstruction System (L.R.S.) Short
With 2 L.R.S. Straight Outer Clamps
EF243 and 1 L.R.S. Straight
Central Clamp EF244

EF146 - Adult Limb
Reconstruction System (L.R.S.) Extra Short

Components / Replacements



L.R.S. Rails

EF239 - Long, Length 40 cm.

EF240 - Standard, Length 30 cm.

EF241 - Short, Length 23 cm.

EF242 - Extra-Short, Length 12 cm.



EF243

L.R.S. Straight Outer Clamp



EF244

L.R.S. Straight Central Clamp



EF245

L.R.S. T-Clamp



EF246

L.R.S. Ball-Joint Coupling

Enables an appropriate Ball-Jointed Module to be attached to the rail.



EF247

L.R.S. Micrometric Swivelling Clamp

For gradual correction of angular deformity in the frontal plane.



EF248

L.R.S. Multiplanar Clamp

For gradual angular and translational correction of diaphyseal deformities in any desired plane.

Components / Replacements



EF249
L.R.S. OF-Garches T-Clamp
 For upper metaphyseal
 osteotomies and valgus or
 varus correction



EF250
L.R.S. Hinged Rail Coupling
 For joining two L.R.S. rails
 (Standard, Long or Short)



EF251
**L.R.S. Sandwich Clamp with
 Compression-Distraction Unit
 Attachments**
 Used to raise the plane of the
 screws above the rail or to
 place them in two planes.



EF252
**L.R.S. Dyna-Ring with
 Compression-Distraction Unit
 Attachment**
 When attached to the rail,
 it permits earlier dynamization
 without the risk of bone collapse.



EF253
Clamp Cover

Components / Replacements



EF219 - Clamp Screw
For Micrometric Swivelling Clamp
and Multiplanar Clamp.



EF300
OF-Garches T-Clamp Axis
Locking Nut



EF302
Clamp Screw



EF217
Bush



EF218
Cam



Compression-Distractor Units,
EF227 - Standard, Extends to 4 cm.
EF228 - Long, Extends to 8 cm.



Compression-Distractor Clicker Units
EF288 - Standard, Extends to 4 cm.
EF297 - Long, Extends to 8 cm.



**OF-Garches Compression
-Distractor Units**
EF306 - Standard, Extends to 5.5 cm.
EF307 - Long, Extends to 10 cm.

Templates



EF174
L.R.S. Straight Clamp Template
For Straight Outer and straight
Central Clamps.



EF175
L.R.S. T-Clamp Template



EF176
L.R.S. Ball-Joint Coupling
Template



EF177
L.R.S. Micrometric
Swivelling Clamp Template



EF178
L.R.S. Template Locking Screw



EF179
L.R.S. Multiplanar Clamp
Template



EF180
L.R.S. OF-Garches T-Clamp
Template



EF181
L.R.S. Sandwich Clamp
Template

Templates For Acute Correction



EF182
L.R.S. Rotational Template
Radius from center of curved
slot 60 mm.



L.R.S. Rotational Template Arcs
EF183 - Radius 100 mm
EF184 - Radius 130 mm



EF185
L.R.S. Acute Correction
Straight Clamp Template



EF186
L.R.S. Acute Correction
T-Clamp Template



EF187
L.R.S. Acute Correction
OF-Garches Template



EF188
L.R.S. Acute Rotational
Template Locking Screw



EF189
L.R.S. Acute Correction
Template Locking Screw

Instrumentation



Screw Guides

EF43 - Length 32 mm

EF44 - Length 45 mm

EF45 - Length 60mm

EF46 - Length 80 mm

EF47 - Length 100 mm

EF53 - Length 160 mm

Screw Guide length depends on soft tissue dimensions.



Ruland Pilot wire Guides

Ø 2.0 mm

EF57 - Length 75 mm

EF58 - Length 115 mm

For insertion of X-Wires.



Drill Guides Ø 2.9 mm

EF61 - Length 20 mm

Drill Guides Ø 3.2 mm

EF62 - Length 20 mm

EF63 - Length 40 mm

EF64 - Length 80 mm

Drill Guides Ø 4.8 mm

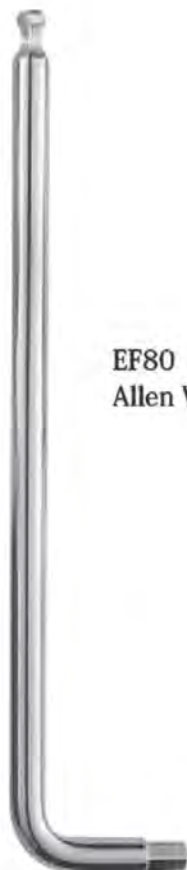
EF65 - Length 40 mm

EF66 - Length 60 mm

EF67 - Length 80 mm

EF68 - Length 140 mm

Drill Guide size depends on Drill Bit diameter and Screw Guide Length.



EF80

Allen Wrench 6 mm



EF78

Allen Wrench 3mm



EF108 - T-wrench

Used to insert or remove bone screws.

Instrumentation



Drill Bit Ø 2.9 mm
EF91 - Length 140 mm

*For Ø3.5-3.2 mm cortical screws.
EF91 Drill Bit Kit Ø 2.9 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit 2.9mm
and 1 Drill Bit 140mm.*

Drill Bit Ø3.2 mm
EF86 - Length 140 mm
EF87 - Length 200 mm

*For Ø 6-5mm cancellous screws
and Ø 4.5-3.5mm cortical screws.
EF86, EF87, Drill Bit Kits Ø 3.2 mm
Consisting of: 1 Allen wrench 3 mm,
1 Drill Bit Stop unit Ø3.2mm and
1 Drill Bit (140mm in Kit EF86 and 200mm in kit EF87).*

Drill Bit Ø 4.8 mm
EF88 - Length 180 mm
EF89 - Length 240 mm
EF90 - Length 280 mm

*For Ø 6-5mm cortical screws.
EF88, EF89, EF90,
Drill Bit Kits Ø 4.8 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø4.8mm and
1 Drill Bit (180mm in kit EF88;
240mm in kit EF89 and 280mm in kit EF90)*



Drill Bit Stop Units
EF84 - Ø2.9 mm
EF82 - Ø3.2 mm
EF83 - Ø4.8 mm



EF109
Torque wrench 6 mm
*Only used for locking the cams
of the ball-joints: it should be rotated
clockwise until a click is heard.*



EF72
Tapered Trocar
*Used Within a screw guide
to locate an appropriate
position on the cortex.*

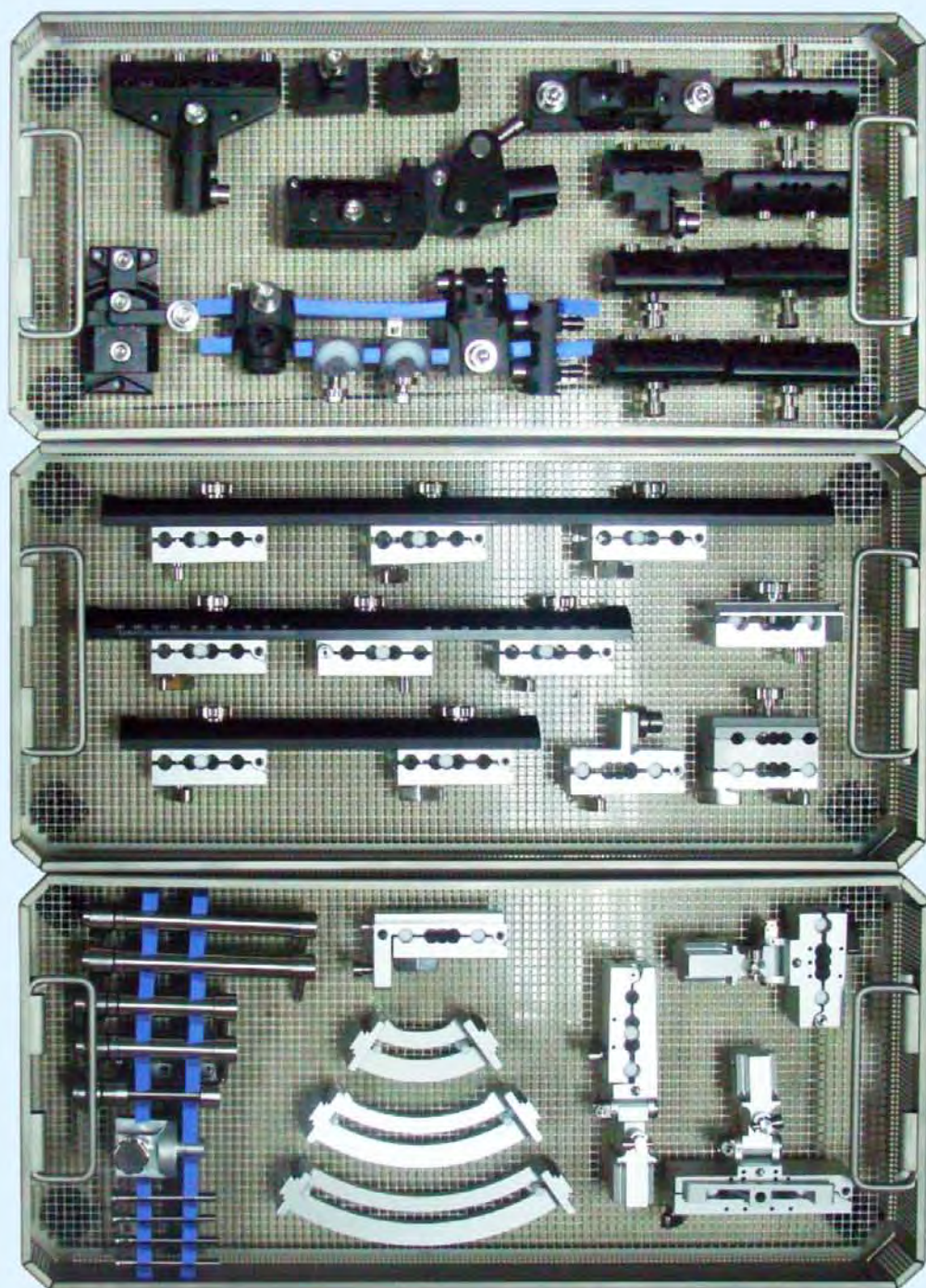


EF69
Hammer

EF70
Hammer Interchangeable Head

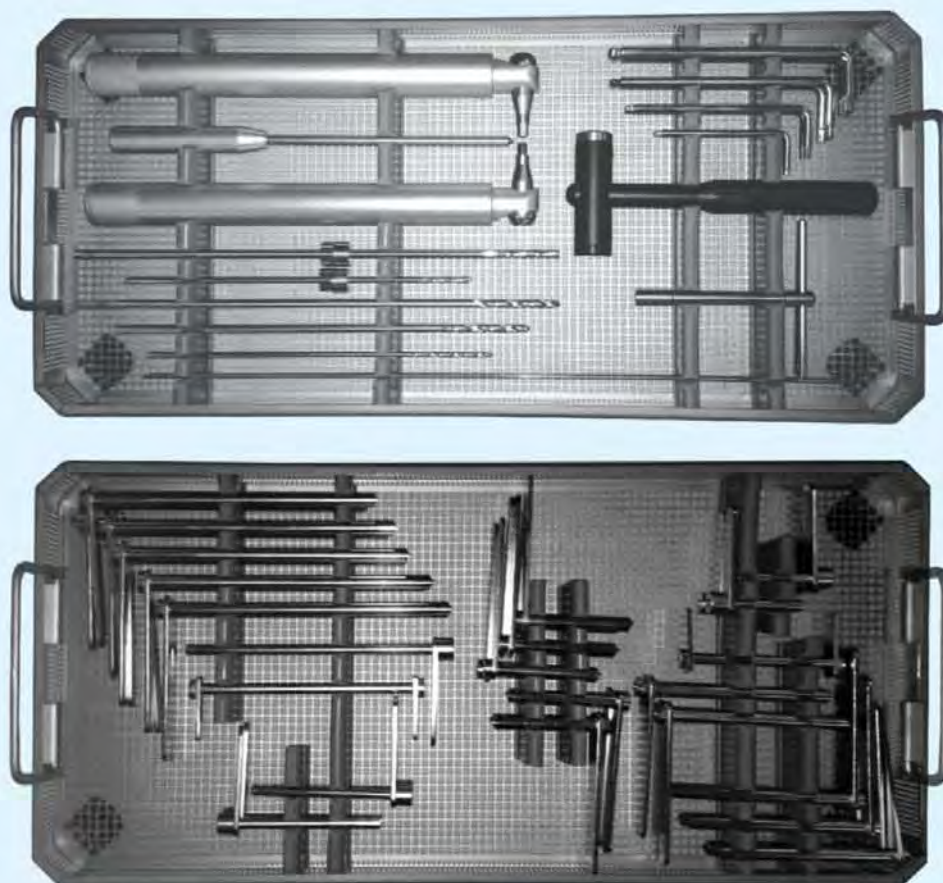
EF71
Hammer Locking Nut

EF09
Adult L.R.S. Sterilization Box, empty



EF09-T	Tray	3
EF742	Torbay -Garches Clamp	1
EF247	L.R.S. Micrometric Swivelling Clamp	1
EF245	L.R.S. T-Clamp	1
EF743	L.R.S. Dyna-Ring with Compression-Distract Unit Attachment	2
EF246	L.R.S. Ball-Joint Coupling	1
EF248	L.R.S. Multiplanar Clamp	1
EF250	L.R.S. Hinged Rail Coupling	1
EF202	Straight Clamp	1
EF203	T-Clamp	1
EF227	Compression-Distract Unit Standard, extends to 8 cm	2
EF228	Compression-Distract Unit Long, extends to 8 cm	2
EF229	Compression-Distract Unit Short, extends to 2.75 cm	1
EF181	L.R.S. Sandwich Clamp Template	1
EF251	L.R.S. Sandwich Clamp with Compression-Distract Unit Attachment	1
LOWER TRAY		
EF182	L.R.S. Rotational Template, radius 60 mm	1
EF187	L.R.S. Acute Correction OF-Garches Template	1
EF185	L.R.S. Acute Correction Straight Clamp Template	1
EF186	L.R.S. Acute Correction T-Clamp Template	1
EF183	L.R.S. Rotational Template Arc, radius 100 mm	1
EF184	L.R.S. Rotational Template Arc, radius 130 mm	1
EF244	L.R.S. Straight Central Clamp	4
EF243	L.R.S. Straight Outer Clamp	2
UPPER TRAY		
EF242	L.R.S. Extra-Short Rail, Length 12 cm	1
EF241	L.R.S. Short Rail, Length 23 cm	1
EF240	L.R.S. Standard Rail, Length 30 cm	1
EF239	L.R.S. Long Rail, Length 40 cm	1
EF218	Cam	2
EF217	Bush	2
EF174	L.R.S. Straight Clamp Template	8
EF175	L.R.S. T-Clamp Template	1
EF179	L.R.S. Multiplanar Clamp Template	1
EF176	L.R.S. Ball-Joint Coupling Template	1
EF177	L.R.S. Micrometric Swivelling Clamp Template	1

EF10
L.R.S. Instrument Sterilization Box, empty



EF10-T	Tray	3
EF78	Allen Wrench 3mm	2
EF80	Allen Wrench 6mm	2
EF109	Torque Wrench 6mm	1
EF108	T-Wrench	2
EF72	Tapered Trocar	1
EF116	Torque Wrench 5mm	1
EF95	Cannulated Drill Bit Ø3.2mm, Length 200mm	2
EF98	Cannulated Drill Bit Ø4.8mm, Length 280mm	2
EF57	Ruland Pilot Wire Guide Ø2mm, Length 75mm	2
EF58	Ruland Pilot Wire Guide Ø2mm, Length 115mm	2
EF79	Allen Wrench 5mm	2
EF746	Allen Wrench 4mm	2
EF69	Hammer	1
LOWER TRAY		
EF65	Drill Guide, Ø4.8mm, Length 40mm	2
EF67	Drill Guide, Ø4.8mm, Length 80mm	2
EF63	Drill Guide, Ø3.2mm, Length 40 mm	2
EF64	Drill Guide, Ø3.2mm, Length 80 mm	2
EF68	Drill Guide, Ø4.8mm, Length 140mm	2
EF101	X-Wire without olive Ø2mm, Length 400mm	5
EF89	Drill Bit, Ø4.8mm, Length 240mm	2
EF87	Drill Bit, Ø3.2, Length 200mm	2
EF90	Drill Bit, Ø4.8mm, Length 280mm	2
EF83	Drill Bit Stop Unit, Ø4.8mm	2
EF82	Drill Bit Stop Unit, Ø3.2mm	2
UPPER TRAY		
EF45	Screw Guide, Length 60mm	10
EF47	Screw Guide, Length 100mm	10
EF53	Screw Guide, Length 160mm	10

Paediatric Limb Reconstruction System

Paediatric Limb Reconstruction system (L.R.S.) Kits

Complete with compression-Distraction Units and Allen Wrench 5 mm.



Limb
tem (L.R.S.) Kit, Standard
S.



EF149 - Paediatric Limb
Reconstruction System (L.R.S.) Kit, Short
With 2 Paediatric L.R.S.
Straight Clamp EF257

EF150 - Paediatric Limb
Reconstruction System (L.R.S.) Kit, Extra Short

Components / Replacements



Paediatric L.R.S. Rails

EF254 - Long, Length 25 cm.

EF255 - Standard, Length 20 cm.

EF256 - Short, Length 15 cm.

EF734 - Extra-Short, Length 10 cm.



EF257

Paediatric L.R.S. Straight Clamp



EF258

Paediatric L.R.S. T-Clamp



EF259

Paediatric L.R.S. Ball-Joint Coupling



EF260

Paediatric L.R.S. Swivelling Clamp



EF261

Paediatric L.R.S. OF-Garches T-Clamp Kit

For upper metaphyseal osteotomies and valgus or varus correction.

Consisting of: 1 Paediatric OF-Garches T-Clamp, 1 Compression-Distraction Unit, extends to 6.2 cm and 1 Dyna-Ring with Compression-Distraction Unit Attachment.



EF262

Paediatric L.R.S. Hinged Rail Coupling

For joining two L.R.S. rails (Standard, Long or Short).

Components / Replacements



EF263

Paediatric L.R.S. Dyna-Ring with
Compression-Distraction Unit Attachment

*When attached to the rail, it permits earlier
dynamization without the risk of collapse.*



EF264

Paediatric L.R.S. Locking Screw



EF265

Clamp Screw



EF266

Small Blue D.A.F. Bush



EF267

Cam



EF268

Small D.A.F. Clamp Cover



Compression-Distraction Units

EF269 - Extends to 5 cm

EF270 - Extends to 6.2 cm

Templates



EF190
Paediatric L.R.S. Straight Clamp
Template



EF192
Paediatric L.R.S. Swivelling Clamp
Template



EF193
Paediatric L.R.S. Ball-Joint Coupling
Template

Templates for Acute Correction



EF182
L.R.S. Rotational Template
Radius from center of curved slot 60mm.



EF185
L.R.S. Acute Correction
Straight Clamp Template



EF186
L.R.S. Acute Correction
T-Clamp Template



EF187
L.R.S. Acute Correction
OF-Garches Template

Instrumentation



Screw Guides

EF43 - Length 32 mm

EF44 - Length 45 mm

EF45 - Length 60mm

EF46 - Length 80 mm

EF47 - Length 100 mm

EF53 - Length 160 mm

Screw Guide length depends on soft tissue dimensions.



Ruland Pilot Wire Guides

Ø 2.0 mm

EF57 - Length 75 mm

EF58 - Length 115 mm

For insertion of X-Wires.



Drill Guides Ø 2.9 mm

EF61 - Length 20 mm

Drill Guides Ø 3.2 mm

EF62 - Length 20 mm

EF63 - Length 40 mm

EF64 - Length 80 mm

Drill Guides Ø 4.8 mm

EF65 - Length 40 mm

EF66 - Length 60 mm

EF67 - Length 80 mm

EF68 - Length 140 mm

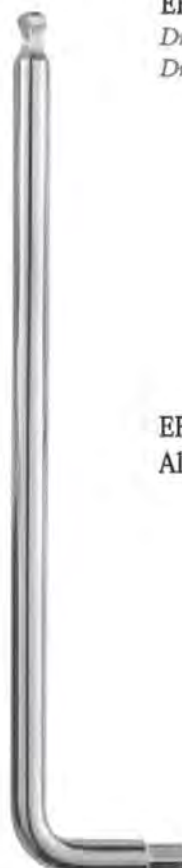
Drill Guide size depends on

Drill Bit diameter and Screw Guide Length.



EF78

Allen Wrench 3mm



EF79

Allen Wrench 5 mm

Instrumentation



Drill Bit Ø 2.9 mm

EF91 - Length 140 mm

For Ø3.5-3.2 mm cortical screws.

EF91 Drill Bit Kit Ø 2.9 mm

*Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit 2.9mm
and 1 Drill Bit 140mm.*

Drill Bit Ø3.2 mm

EF86 - Length 140 mm

EF87 - Length 200 mm

For Ø 6-5mm cancellous screws

and Ø 4.5-3.5mm cortical screws.

EF86, EF87, Drill Bit Kits Ø 3.2 mm

*Consisting of: 1 Allen wrench 3 mm,
1 Drill Bit Stop unit Ø3.2mm and
1 Drill Bit (140mm in Kit EF86 and 200mm in kit EF87)*

Drill Bit Ø 4.8 mm

EF88 - Length 180 mm

EF89 - Length 240 mm

EF90 - Length 280 mm

For Ø 6-5mm cortical screws.

EF88, EF89, EF90

Drill Bit Kits Ø 4.8 mm

*Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø4.8mm and
1 Drill Bit (180mm in kit EF88;
240mm in kit EF89 and 280mm in kit EF90)*



Drill Bit Stop Units

EF84 - Ø2.9 mm

EF82 - Ø3.2 mm

EF83 - Ø4.8 mm

Instrumentation



EF69
Hammer

EF70
Hammer Interchangeable Head

EF71
Hammer Locking Nut



EF109
Torque wrench 5 mm
Only used for locking the cams of the ball-joints: it should be rotated clockwise untill a click is heard.



EF72
Tapered Trocar
Used Within a screw guide to locate an appropriate position on the cortex.



EF108 - T-wrench
Used to insert or remove bone screws.

EF11

Paediatric L.R.S. Sterilization Box, empty

EF11-T	Tray	1
EF182	L.R.S. Rotational Template, radius 60 mm	1
EF187	L.R.S. Acute Correction OF-Garches Template	1
EF183	L.R.S. Rotational Template Arc, radius 100 mm	1
EF184	L.R.S. Rotational Template Arc, radius 130 mm	1
EF185	L.R.S. Acute Correction T-Clamp Template	1
EF212	Small D.A.F. Straight Clamp	1
EF213	Small D.A.F. T-Clamp	1
EF258	Paediatric L.R.S. T-Clamp	1
EF261	Paediatric L.R.S. OF-Garches T-Clamp Kit	1
EF259	Paediatric L.R.S. Ball-Joint Coupling	1
EF257	Paediatric L.R.S. Straight Clamp	6
EF260	Paediatric L.R.S. Swivelling Clamp	1
EF262	Paediatric L.R.S. Hinged Rail Coupling	1
EF263	Paediatric L.R.S. Dyna-Ring with Compression-Distract Unit Attachment	2
EF269	Compression-Distract Unit for Small Fixator, extends to 5 cm	1
EF270	Paediatric L.R.S. Compression-Distract Unit, extends to 6.2cm	1
UPPER TRAY		
EF192	Paediatric L.R.S. Swivelling Clamp Template	1
EF193	Paediatric L.R.S. Ball-Joint Coupling Template	1
EF267	Cam	2
EF266	Small Blue D.A.F. Bush	2
EF256	Paediatric L.R.S. Short Rail, length 15 cm	1
EF255	Paediatric L.R.S. Standard Rail, length 20 cm	1
EF254	Paediatric L.R.S. Long Rail, length 25 cm	1
EF185	Paediatric L.R.S. Acute Correction Straight Clamp Template	1
EF190	Paediatric L.R.S. Straight Clamp Template	7

EF12

L.R.S. Instrument Sterilization Box, empty

EF12-T	Tray	3
EF78	Allen Wrench 3mm	2
EF80	Allen Wrench 6mm	2
EF109	Torque Wrench 6mm	1
EF108	T-Wrench	2
EF72	Tapered Trocar	1
EF116	Torque Wrench 5mm	1
EF95	Cannulated Drill Bit, Ø3.2mm, Length 200mm.....	2
EF98	Cannulated Drill Bit, Ø4.8mm, Length 280mm.....	2
EF57	Ruland Pilot Wire Guide, Ø2mm, Length 75mm.....	2
EF745	Ruland Pilot Wire Guide, Ø2mm, Length 115mm.....	2
EF79	Allen Wrench 5mm	2
EF746	Allen Wrench 4mm	2
EF69	Hammer	1
LOWER TRAY		
EF65	Drill Guide, Ø4.8mm, Length 40mm.....	2
EF67	Drill Guide, Ø4.8mm, Length 80mm.....	2
EF63	Drill Guide, Ø3.2mm, Length 40mm.....	2
EF64	Drill Guide, Ø3.2mm, Length 80mm.....	2
EF68	Drill Guide, Ø4.8mm, Length 140mm.....	2
EF101	X-Wire without olive Ø2mm, Length 400mm.....	5
EF89	Drill Bit, Ø4.8mm, Length 240mm.....	2
EF87	Drill Bit, Ø3.2mm, Length 200mm.....	2
EF90	Drill Bit, Ø4.8mm, Length 280mm.....	2
EF83	Drill Bit Stop Unit, Ø4.8mm	2
EF82	Drill Bit Stop Unit, Ø3.2mm	2
UPPER TRAY		
EF45	Screw Guide, Length 60mm.....	10
EF47	Screw Guide, Length 100mm	10
EF53	Screw Guide, Length 160mm	10

Pelvic Fixator



EF157
Short Fixator with T-Clamps
 Consisting of: 2 Primary Links,
 1 Pelvic Fixator Connecting Unit,
 2 Cams, 2 Bushes and 2 T-Clamps.



EF158
Long Fixator with Straight Clamps
 Consisting of: 2 Primary Links,
 1 Pelvic Fixator Supplementary Link,
 2 Pelvic Fixator Connecting Units,
 2 Cams, 2 Bushes and 2 Straight Clamps.



EF159
Long Fixator with Ball-Jointed Modules for Independent Screw Placement
 Consisting of: 2 Primary Links,
 1 Pelvic Fixator Supplementary Link,
 2 Pelvic Fixator Connecting Units,
 2 Cams, 2 Bushes and 2 Ball-Jointed Modules for Independent Screw Placement.

Ball-Jointed Modules



EF202 - Straight Clamp

*For iliac crest applications.
Acts as its own templates
for insertion of screws
into iliac crest.*



EF203 - T-Clamp

*For anterior applications.
Acts as its own templates for
insertion of screws between
the inferior and superior iliac spines.*



EF204 Ball-Jointed Modules for Independent Screw Placement

*For iliac crest applications.
Consisting of: 1 Bar with Ball-Joint
and 2 Independent Screw Clamps.
Enables screws to be placed freehand in
chosen positions on the iliac crest.*

Components / Replacements



EF237

Pelvic Fixator Long Body

*Consisting of: 2 Primary Links,
1 Pelvic Fixator Supplementary Links,
2 Pelvic Fixator Connecting Units,
2 Cams and 2 Bushes.*

Maximum linear extension = 127 mm.



EF238

Pelvic Fixator Short Body

*Consisting of: 2 primary Links,
1 Pelvic Fixator Connecting Unit,
2 Cams and 2 Bushes*

Maximum linear extension = 77 mm.



EF217
Bush



EF218
Cam



EF223
**Pelvic Fixator
Connecting Unit**



EF224
Primary Link



EF225
Pelvic Fixator Supplementary Link



EF226
Independent Screw Clamp

Instrumentation



EF41

Pelvic Screw Guide

Length 100 mm.

To prevent penetration of the inner or outer table of the ilium during screw insertion in iliac crest applications.



Screw Guides

EF45 - Length 60mm

EF47 - Length 100mm



Drill Guides Ø 3.2 mm

EF63 - Length 40mm

EF64 - Length 80mm



EF78

Allen Wrench 3 mm



EF86

Drill Bit Ø 3.2 mm, Length 140 mm

EF86 Drill Bit Kit Ø 3.2 mm

Consisting of: 1 Allen wrench 3mm,

1 Drill Bit Stop Unit Ø 3.2mm and 1 Drill Bit 140mm



EF82

Drill Bit Stop Units Ø3.2 mm

Instrumentation



EF108
T-wrench
*Used to insert or
remove bone screws.*



EF80
Allen Wrench 6 mm



EF72
Tapered Trocar
*Used within a screw guide
to locate an appropriate
position on the cortex.*



EF69
Hammer

EF70
Hammer Interchangeable
Head

EF71
Hammer Locking Nut



EF109
Torque Wrench 6 mm
*ONLY used for locking the cams
of the ball-joints: it should be
rotated clockwise until a click is heard.*

EF13
Pelvic Fixator Sterilization Box, empty



EF13-T	Tray	2
EF755	Self-drilling Cortical Screw, shaft Ø6mm, thread Ø6-5mm, Total Length 220mm, Thread Length 50mm	6
EF754	Self-drilling Cortical Screw, shaft Ø6mm, thread Ø6-5mm, Total Length 150mm, Thread Length 50mm	6
EF45	Screw Guide, Length 60mm	4
EF47	Screw Guide, Length 100mm	4
EF41	Pelvic Screw Guide, Length 100 mm	2
EF108	T-Wrench	1
EF72	Tapered Trocar	1
EF109	Torque Wrench 6mm	1
EF69	Hammer	1
EF80	Allen Wrench 6mm	2
EF86	Drill Bit Kit Ø3.2mm	2
	Consisting of: 1 Drill Bit 140mm Ø3.2; 1 Drill Bit Stop Unit Ø3.2; 1Wrench 3 mm	
EF63 or EF64	Drill Guide, Ø3.2mm, Length 40mm or Length 80 mm	2
EF237	Pelvic Fixator Long Body Assembled	1
	Consisting of: 2 Primary Links; 1 Pelvic Fixator Supplementary Links; 2 Pelvic Fixator Connecting Units; 2 Cams; 2 Bushes	
EF238	Pelvic Fixator Short Body Assembled	1
	Consisting of: 2 Primary Links; 1 Pelvic Fixator Connecting Units; 2 Cams; 2 Bushes	
EF204	Ball-Jointed Module for Independent Screw Placement	2
EF226	Independent Screw Clamp	2
EF202	Straight Clamp	2
EF203	T-Clamp	2

Elbow Fixators

Elbow Fixator



EF134

Elbow Fixator with Straight Clamps

*Consisting of: 2 Primary Links,
1 Elbow Fixator Central Connecting Unit,
2 Cams, 2 Bushes, 1 Elbow Fixator Small Distractor,
2 Straight Clamps, 1 Pair of Elbow Fixator
Compression-Distraction Unit Spacers,
1 Long Compression-Distraction Unit,
1 Allen Wrench 6 mm and 1 Allen Wrench 3 mm.*

Ball-Jointed Modules



EF202

Straight Clamp

*Acts as its own template for insertion of
screws in the humerus and ulna.*



EF205

Elbow Extended Range Clamp

*Acts as its own template for screw insertion
in the ulna. It is used when a wider choice
of angle for screw placement is necessary.*

Components / Replacements



EF217
Bush



EF218
Cam



Compression-Distraction Units,
EF227 - Standard, Extends to 4 cm.
EF228 - Long, Extends to 8 cm.
EF229 - Short, Extends to 2.75 cm.



EF230
Elbow Fixator Central Body
*Consisting of: 2 Primary Links,
1 Elbow Fixator Central Connecting Unit,
1 Elbow Fixator Small Distraction,
2 Cams and 2 Bushes.*



EF231
Elbow Fixator Central
Connecting Unit



EF232
Elbow Fixator Link
Locking Screw



EF233
Plate Locking Screw



Primary Link
EF224 - Length 130 mm.



EF235
Elbow Fixator
Small Distractor



Short Primary Link
EF234 - Length 100 mm.



EF236
Elbow Fixator
Compression-Distraction Unit
Spacers (1 Pair)

Instrumentation



Screw Guides
EF45 - Length 60 mm



Drill Guides Ø 3.2 mm
EF63 - Length 40 mm

Drill Guides Ø 4.8 mm
EF65 - Length 40 mm



Drill Bit Ø 3.2 mm
EF86 - Length 140 mm

EF86 Drill Bit Kit Ø 3.2 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø3.2mm and
1 Drill Bit 140 mm

Drill Bit Ø 4.8 mm
EF88 - Length 180 mm

EF86 Drill Bit Kit Ø 4.8 mm
Consisting of: 1 Allen wrench 3mm,
1 Drill Bit Stop Unit Ø4.8mm and
1 Drill Bit 180 mm



Drill Bit Stop Units
EF82 - Ø3.2 mm
EF83 - Ø4.8 mm



EF78
Allen Wrench 3mm



EF80
Allen Wrenche, 6 mm

Instrumentation



EF108 - T-wrench
Used to insert or remove bone screws.



X-Wire without Olive Ø 2 mm
EF100 - Length 150 mm



EF109
Torque Wrench 5 mm
Only used for locking the cams of the ball-joints: it should be rotated clockwise untill a click is heard.



EF72
Tapered Trocar
Used Within a screw guide to locate an appropriate position on the cortex.

EF14
Elbow Fixator Sterilization Box, empty



EF14-T	Tray	1
EF134	Elbow Fixator with straight Clamps	1
EF205	Elbow Extended Range Clamp	1
EF227	Compression-Distraction Unit, Standard, extends to 4 cm	1
EF45	Screw Guide, Length 60mm	4
EF63	Drill Guide, Ø3.2mm, Length 40mm	2
EF65	Drill Guide, Ø4.8mm, Length 40mm	2
EF86	Drill Bit Kit Ø3.2mm	2
	Consisting of: 1 Allen Wrench 3 mm, 1 Drill Bit Stop Unit Ø3.2mm, 1 Drill Bit 140mm, Ø3.2mm.	2
EF88	Drill Bit Kit Ø4.8mm	2
	Consisting of: 1 Allen Wrench 3 mm, 1 Drill Bit Stop Unit Ø4.8mm, 1 Drill Bit 180mm, Ø4.8mm.	
EF80	Torque Wrench 6mm	1
EF72	Tapered Trocar	1
EF108	T-Wrench	1
EF100	X-Wire Without Olive Ø2.0mm, Length 150mm	4
EF749	Cortical Screw, shaft Ø6mm, Thread Ø4.5-3.5mm, Total Length 120mm, Thread Length 20mm	4
EF747	Cortical Screw, shaft Ø6mm, Thread Ø6-5mm, Total Length 110mm, Thread Length 30mm ...	4

Dynamic Wrist Fixator



EF136

Dynamic Wrist Fixator

Consisting of: 1 Short Module with Straight Clamp, Cam and Bush, 1 Long Module with Straight Clamp, Cam and Bush and 1 Double Ball-Joint.



EF137

Dynamic Wrist Fixator with Compression-Distraction Module

Consisting of: 1 Long Module with Straight Clamp, Cam and Bush, 1 Compression-Distraction Module with Straight Clamp, Cam and Bush and 1 Double Ball-Joint.



EF138

Dynamic Wrist Fixator for Extra-Articular Fractures and Corrective Osteotomies

Consisting of: 1 Short Module with T-Clamp, Cam and Bush, 1 Compression-Distraction Module with Straight Clamp, Cam and Bush, and 1 Double Ball-Joint.

Components / Replacements



EF271
Dynamic Wrist Fixator
Short Module
With Straight Clamp, Cam and Bush.



EF272
Dynamic Wrist Fixator
Short Module
With T-Clamp, Cam and Bush.



EF273
Dynamic Wrist Fixator
Long Module
With Straight Clamp, Cam and Bush.



EF274
Dynamic Wrist Fixator
Compression-Distraction Module
With Straight Clamp, Cam and Bush.



EF275
Dynamic Wrist Fixator
Straight Clamp



EF276
Dynamic Wrist Fixator
T-Clamp

Components / Replacements



EF277
Extra-Articular Radiolucent
Wrist Clamp



EF282
Dynamic Wrist Fixator
Ulnar Outrigger Clamp



EF285
Dynamic Wrist Fixator
Bush



EF283
Dynamic Wrist Fixator
Double Ball-Joint



EF286
Dynamic Wrist Fixator
Clamp Cover/Anchoring Screw



EF284
Dynamic Wrist Fixator
Cam

Instrumentation



EF92
Drill Bit Ø 2.7 mm
Length 127mm.
*For Ø3.3-3mm Penning
wrist cortical screws.*



EF737
Drill Bit Stop Unit
Ø2.7/2.9mm



EF93
Drill Bit Ø 2.0 mm
Length 127mm.
*For Ø3-2.5mm Penning
wrist cortical screws.*



EF85
Drill Bit Stop Unit Ø 2.0 mm
*EF93 Drill Bit Kit Ø 2.0 mm
Consisting of: 1 Drill Bit Ø2.0mm,
1 Drill Bit Stop Unit Ø2.0mm and
1 Allen Wrench 3mm.*



EF78
Allen Wrench 3 mm
*EF92 Drill Bit Kit Ø 2.7 mm
Consisting of: 1 Drill Bit Ø2.7mm,
1 Drill Bit Stop Unit Ø2.7/2.9mm
and 1 Allen Wrench 3mm.*



EF59
Drill Guide Ø 2.7 mm



EF60
Drill Guide Ø 2.0 mm



EF54
Template with Handle

EF765
Special Kit for Small Metacarpals
*Consisting of: 1 Drill Bit Ø2.0mm,
1 Drill Bit Stop Unit Ø2.0mm,
1 Allen Wrench 3mm, 1 Drill Guide Ø2.0mm
and 4 Penning Wrist Cortical Screws,
shaft Ø4mm, thread Ø3-2.5mm,
total length 70mm, thread length 20mm*

Instrumentation



EF75
Tapered Trocar



EF56
Pilot Wire Guide Ø 1.6mm
For insertion of X-Wires



EF198
K-Wire Ø1.5 mm
(pack of 2)
Length 150mm.



EF111
T-wrench
For Clamp Screws.



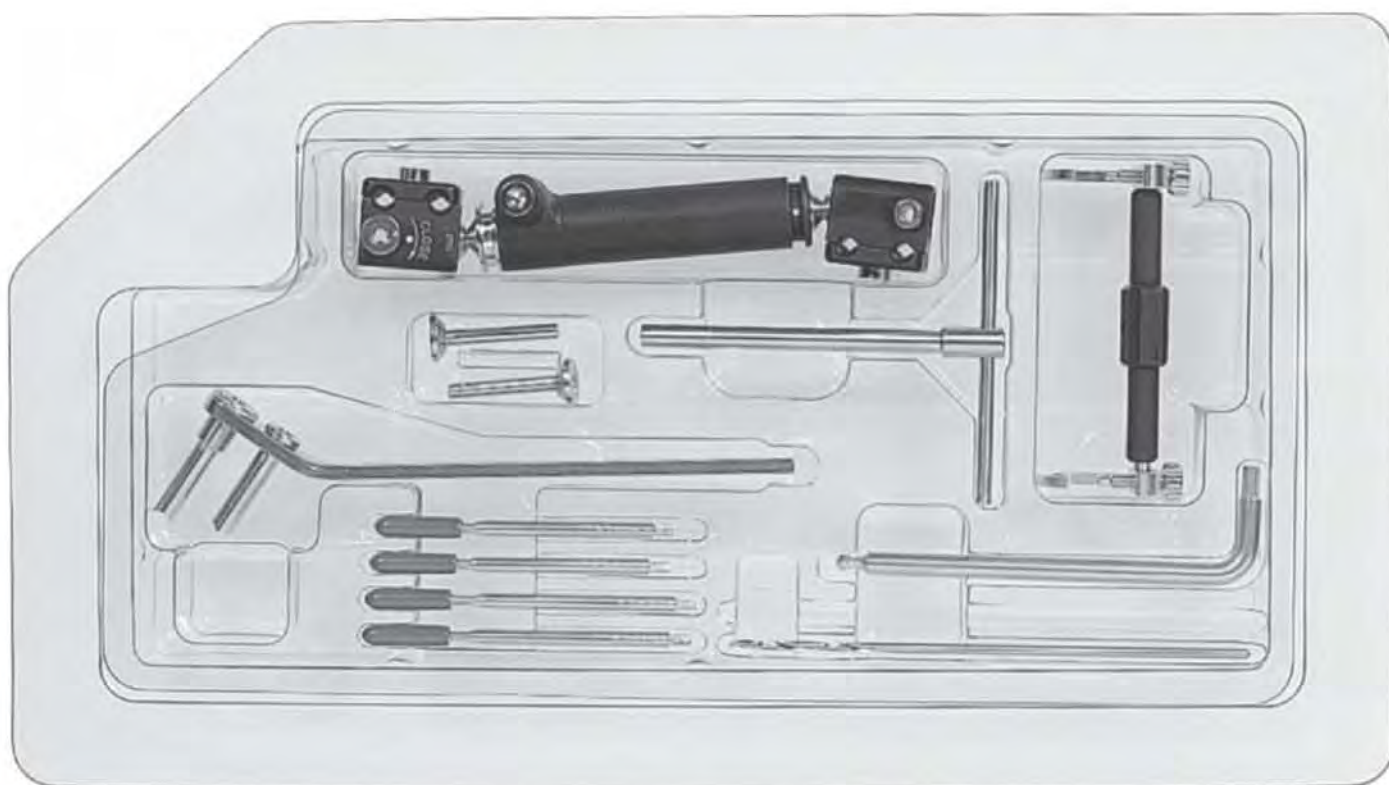
EF112
T-wrench
For Bone Screws.

EF15

Penning Dynamic wrist Fixator Sterilization Box, empty



EF15-T	Tray	1
EF136	Penning Dynamic Wrist Fixator	2
EF138	Penning Dynamic Wrist Fixator For extra-articular fractures and corrective osteotomies.	1
EF54	Template with Handle	2
EF283	Penning Dynamic Wrist Fixator - Double Ball-Joint	2
EF285	Penning Dynamic Wrist Fixator - Bush	4
EF284	Penning Dynamic Wrist Fixator - Cam	4
EF92	Drill Bit Kit Ø2.7 mm	2
	Consisting of: 1 Drill Bit Ø2.7mm and 1 Allen Wrench 3 mm	
EF59	Drill Guide Ø2.7 mm	2
EF753	Penning Wrist Cortical Screw, shaft Ø4 mm, Thread Ø3.3-3 mm, Total Length 80 mm, Thread Length 35 mm	5
EF738	Penning Wrist Cortical Screw, shaft Ø4 mm, Thread Ø3.3-3 mm, Total Length 70 mm, Thread Length 20 mm	12
EF112	T-Wrench for Bone Screws	1
EF111	T-Wrench for Clamp Screws	1
EF286	Penning Dynamic Wrist Fixator - Clamp Cover/ Anchoring Screw	4
EF75	Tapered Trocar	1
EF56	Pilot Wire Guide Ø 1.6 mm	2
EF276	Penning Dynamic Wrist Fixator - T-Clamp	1
EF282	Penning Dynamic Wrist Fixator - Ulnar Outrigger Clamp	1
EF277	Extra-Articular RadioLucent Wrist Clamp (not illustrated)	1



EF139

RadioLucent Wrist Fixator Kit, Sterile

Consisting of: 1 RadioLucent Wrist Fixator, 1 Compression-Distraction Unit, 1 Allen Wrench 4 mm, 2 Drill Guides, 1 Drill Bit Ø2.7 mm, 1 Screw Template, 1 T-Wrench, 2 Self-drilling Screws, shaft Ø4 mm x thread Ø3.3-3 mm x total length 70 mm x thread length 20 mm, 2 Self-drilling Screws, shaft Ø4 mm x thread Ø3.3-3 mm x total length 80 mm x thread length 25 mm and 4 Bone Screw Covers.

Radiolucent Wrist Fixator

Mini Fixators

Mini Fixator



EF125

Mini Fixator Kit, Long

*Consisting of: 1 Minifixator Long Body,
2 Minifixator Standard Clamps and
2 Minifixator Compression-Distractor Nuts.*



EF127

Mini Fixator Kit, Standard

*Consisting of: 1 Minifixator Standard Body,
2 Minifixator Standard Clamps and
2 Minifixator Compression-Distractor Nuts.*



EF129

Mini Fixator Kit, Short

*Consisting of: 1 Minifixator Short Body,
2 Minifixator Standard Clamps and
2 Minifixator Compression-Distractor Nuts.*

Components / Replacements



Minifixator Bodies

EF713 - Long

1 Long Bar and 1 Standard Bar;
Total Length 87 mm

EF712 - Standard

2 Standard Bar; Total Length 72 mm

EF711 - Short

1 Standard Bar and 1 Short Bar;
Total Length 62 mm



EF714
Minifixator L-Clamps
(Left-Right)



EF715
Minifixator Standard Clamps
(1 pair)



EF716
Minifixator Compression-Distractor Nut



EF717
Minifixator Clamp Locking Screw



Minifixator Lengthening Bars Complete with Spacer

EF718 - Short, Length 80 mm

EF719 - Standard, Length 100 mm

EF720 - Long, Length 120 mm



EF721
Minifixator Spacer
*Used in association with Compression-Distractor Nut,
Lengthening Bar and Standard Clamp.*



EF723

Threaded Wires Ø 2 mm (pack of 4)

Total Length 100 mm

Thread Length 15 mm



EF722

Threaded Wires Ø 1.6 mm (pack of 4)

Total Length 70 mm

Thread Length 15 mm

Instrumentation



EF78
Allen Wrench 3mm



EF40
Minifixator Reduction Forceps
(2 pairs)



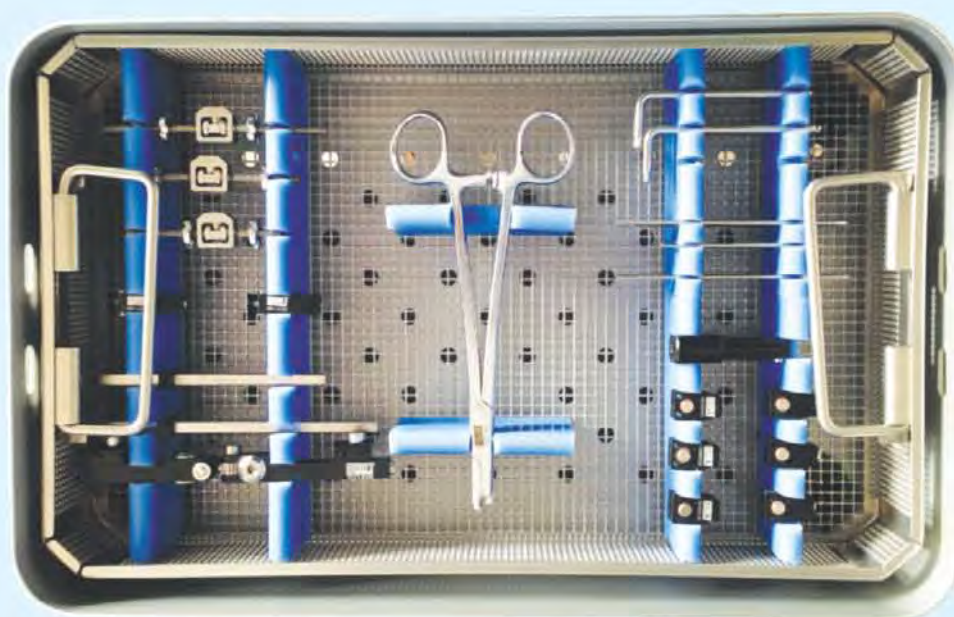
EF724
Threaded Wire Extractor



EF38
Wire Cutter

EF39
Wire Cutter Re-use Kit
*Consisting of blades and 2 rubbers
(not illustrated).*

EF16
Pennig Minifixator Sterilization Box, empty



EF16-T	Tray	1
EF711	Pennig Minifixator Short Body	1
EF712	Pennig Minifixator Standard Body.....	1
EF713	Pennig Minifixator Long Body	1
EF718	Pennig Minifixator Lengthening Bar Short Complete with Spacer, Length 80 mm	1
EF719	Pennig Minifixator Lengthening Bar Standard Complete with Spacer, Length 100 mm	1
EF720	Pennig Minifixator Lengthening Bar Long Complete with Spacer, Length 120 mm	1
EF714	Pennig Minifixator L-Clamps (Left-Rigth)	1
EF715	Pennig Minifixator Standard Clamps (1 pair)	3
EF724	Threaded Wire Extractor	1
EF78	Allen Wrench 3 mm	2
EF40	Pennig Minifixator Reduct on Forceps (2 pair).....	1
EF723	Threaded Wires 2.0 mm, (pack of 4), Total Length 100 mm, Thread Length 15 mm	3
EF722	Threaded Wires Ø 1.6 mm, (pack of 4), Total Length 70 mm, Thread Length 15 mm	2
EF716	Pennig Minifixator Compression-Distraction Nut	6
EF717	Pennig Minifixator Clamp Locking Screw	2

Minirail System



Ef126
MiniRail Lengtheners, Long
 Allows Lengthening up to 135.5 mm.



EF128
MiniRail Lengtheners, Standard
 Allows Lengthening up to 57.5 mm.



EF130
MiniRail Lengtheners, Short
 Allows Lengthening up to 32.5 mm.



EF131
Articulated MiniRail Fixators, Vertical Axis
 Allows articulation round an axis vertical to the bone screws.



EF132
Articulated MiniRail Fixators, Horizontal Axis
 Allows articulation round an axis parallel to the bone screws.



EF154
Articulated MiniRail Fixators, Multiplanar Axis
 Allows articulation round an axis at 90 degrees to the bone screws.

Components / Replacements



EF708
MiniRail Lengthener
T-Clamp

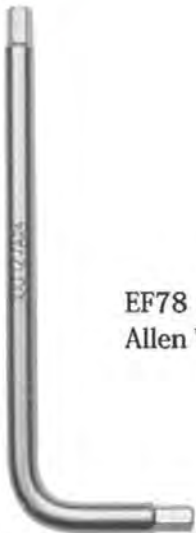


EF710
MiniRail Lengthener/Fixator
Clamp Cover



EF709
MiniRail Lengthener/Fixator
Clamp Cover Screw

Instrumentation



EF78
Allen Wrench 3 mm



EF111
T-Wrench
For Clamp screws.

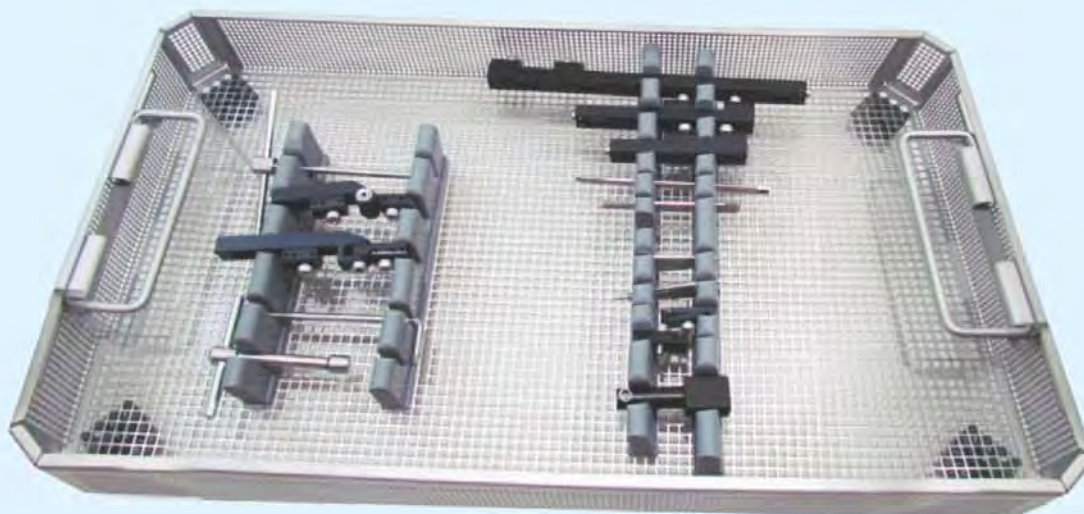


EF724
Threaded Wire Extractor



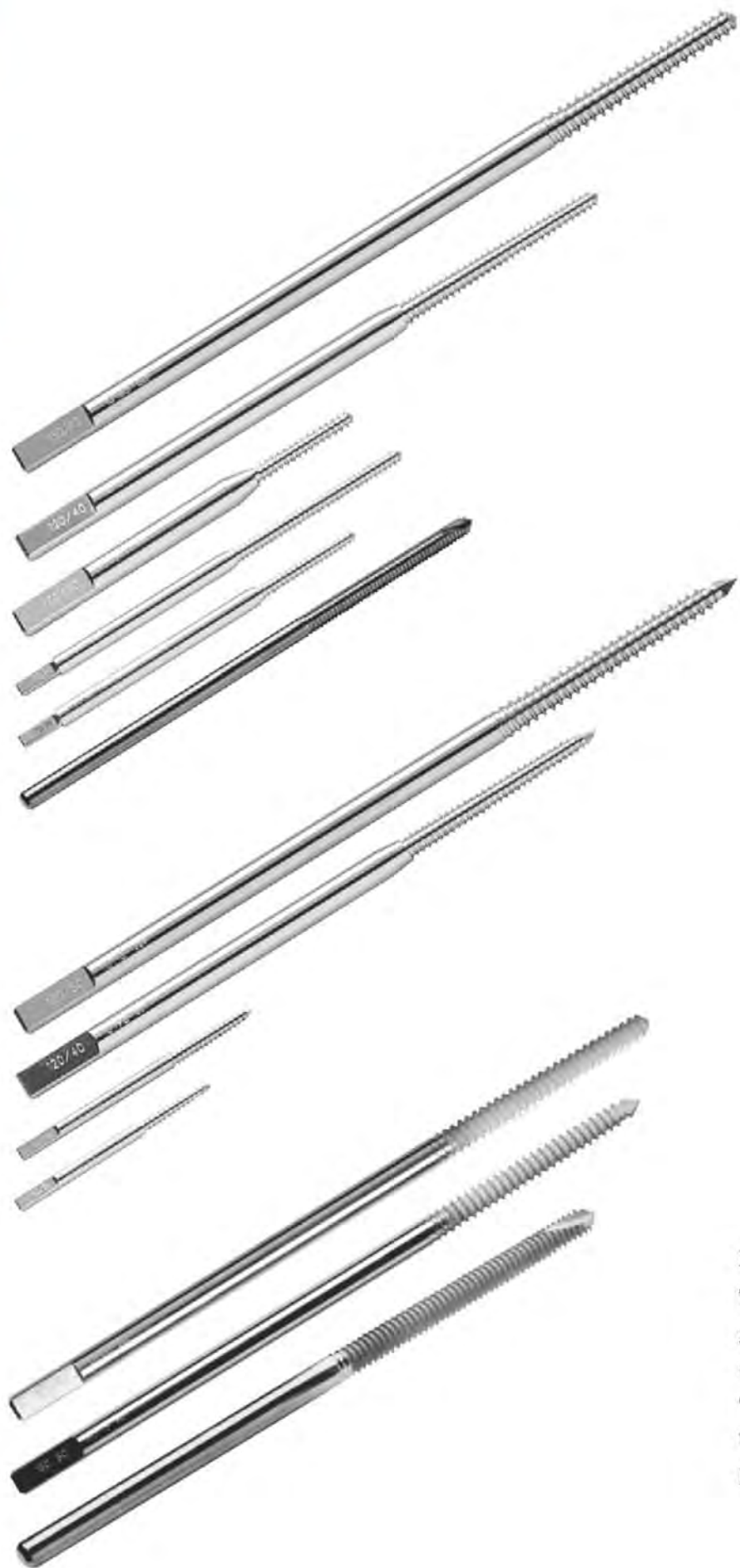
EF112
T-Wrench
For Bone screws.

EF17
MiniRail System Sterilization Box, empty



EF17-T	Tray	1
EF128	MiniRail Standard Lengthener	1
EF126	MiniRail Long Lengthener	1
EF130	MiniRail Short Lengthener	1
EF132	Articulated MiniRail Fixator-Horizontal Axis	1
EF131	Articulated MiniRail Fixator-Vertical Axis	1
EF112	T-Wrench for Bone Screws	1
EF111	T-Wrench for Clamp Screws	1
EF78	Allen Wrench 3mm	1
EF724	Threaded Wire Extractor	1
EF708	MiniRail Lengthener T-Clamp	2
EF751	Self-drilling Cortical Screws shaft Ø3mm, Thread Ø2.5-2mm, Total length 40mm, Thread Length 15mm	4
EF752	Self-drilling Cortical Screws shaft Ø3mm, Thread Ø2.5-2mm, Total length 45mm, Thread Length 20mm	4
EF722	Threaded Wire Ø1.6mm (pack of 4), Total Length 70mm, Thread Length 15mm	1
EF723	Threaded Wires Ø2.0mm (pack of 4), Total Length 100mm, Thread Length 15mm	1

Bone Screw



Product Features:

True 3D Fixation.

Surgery is easy and convenient,
can be inserted pin without reduction.

Type-U groove enlarge contact area
with osteo, fixation is stable.

Reduce loosening conditions occur.

Bone Screws



Cortical Screws Shaft Ø 6 mm, Thread Ø 6.0-5.0 mm

Drill Bit Ø4.8mm

Thread Length 30mm

EF767 - Total Length 90mm
EF768 - Total Length 100mm
EF769 - Total Length 110mm
EF770 - Total Length 130mm
EF771 - Total Length 150mm

Thread Length 40mm

EF772 - Total Length 100mm
EF773 - Total Length 110mm
EF774 - Total Length 120mm
EF775 - Total Length 130mm
EF776 - Total Length 150mm
EF777 - Total Length 170mm

Thread Length 70mm

EF788 - Total Length 160mm

Thread Length 50mm

EF778 - Total Length 110mm
EF779 - Total Length 130mm
EF780 - Total Length 150mm
EF781 - Total Length 160mm
EF782 - Total Length 180mm
EF783 - Total Length 200mm

Thread Length 60mm

EF784 - Total Length 150mm
EF785 - Total Length 170mm
EF786 - Total Length 180mm
EF787 - Total Length 200mm

Thread Length 80mm

EF789 - Total Length 170mm

Thread Length 90mm

EF790 - Total Length 200mm



Cortical Screws Shaft Ø 6 mm, Thread Ø 4.5-3.5 mm

Drill Bit Ø3.2mm

Thread Length 20mm

EF791 - Total Length 70mm
EF792 - Total Length 80mm
EF793 - Total Length 100mm
EF794 - Total Length 120mm

Thread Length 30mm

EF795 - Total Length 80mm
EF796 - Total Length 100mm
EF797 - Total Length 120mm

Thread Length 40mm

EF798 - Total Length 100mm
EF799 - Total Length 120mm



Cortical Screws Shaft Ø 6 mm, Thread Ø 3.5-3.2 mm

Drill Bit Ø2.9mm

Thread Length 20mm

EF800 - Total Length 70mm

Thread Length 30mm

EF801 - Total Length 80mm



Wrist Cortical Screws Shaft Ø 4 mm, Thread Ø3.3-3.0 mm

Drill Bit Ø2.7mm

Thread Length 20mm

EF802 - Total Length 70mm

Thread Length 35mm

EF803 - Total Length 80mm



Wrist Cortical Screws Shaft Ø 4 mm, Thread Ø3.0-2.5 mm

Drill Bit Ø2.0mm

Thread Length 20mm

EF804 - Total Length 70mm

Self-Drilling Bone Screws



Self-drilling Screws, Shaft Ø 6 mm, Thread Ø 6.0-5.6 mm

Thread Length 30mm

EF805 - Total Length 150mm

EF806 - Total Length 260mm

Thread Length 40mm

EF807 - Total Length 150mm

EF808 - Total Length 260mm

Thread Length 50mm

EF809 - Total Length 150mm

EF810 - Total Length 260mm

Thread Length 60mm

EF811 - Total Length 150mm

EF812 - Total Length 260mm

Thread Length 70mm

EF813 - Total Length 150mm

EF814 - Total Length 260mm

Thread Length 80mm

EF815 - Total Length 150mm

EF816 - Total Length 260mm

Thread Length 90mm

EF817 - Total Length 150mm

EF818 - Total Length 260mm

Self-drilling Screws, Shaft Ø 6 mm, Thread Ø 6.0-5.6 mm - Sterile

Thread Length 30mm

EF819 - Total Length 150mm

EF820 - Total Length 260mm

Thread Length 40mm

EF821 - Total Length 150mm

EF822 - Total Length 260mm

Thread Length 50mm

EF823 - Total Length 150mm

EF824 - Total Length 260mm

Thread Length 60mm

EF825 - Total Length 150mm

EF826 - Total Length 260mm

Thread Length 70mm

EF827 - Total Length 150mm

EF828 - Total Length 260mm

Thread Length 80mm

EF829 - Total Length 150mm

EF830 - Total Length 260mm

Thread Length 90mm

EF831 - Total Length 150mm

EF832 - Total Length 260mm



Self-drilling Cortical Screws, Shaft Ø 6 mm, Thread Ø 6.0-5.0 mm

Thread Length 40mm

EF833 - Total Length 150mm

EF834 - Total Length 220mm

Thread Length 50mm

EF835 - Total Length 150mm

EF836 - Total Length 220mm

Thread Length 60mm

EF837 - Total Length 220mm

Thread Length 80mm

EF838 - Total Length 250mm

Self-Drilling Bone Screws



Self-drilling Cortical Screws, Shaft Ø 6 mm, Thread Ø 4.5-3.5 mm

Thread Length 40mm

EF839 - Total Length 120mm

Thread Length 60mm

EF840 - Total Length 120mm



Wrist Self-drilling Cortical Screws, Shaft Ø 4 mm, Thread Ø3.3-3.0 mm
Drill Bit Ø2.0mm

Thread Length 20mm

EF841 - Total Length 60mm

Thread Length 30mm

EF842 - Total Length 70mm

EF843 - Total Length 100mm



Self-drilling Cortical Screws, Shaft Ø 3 mm, Thread Ø3.0-2.5 mm
For use with the M100 Range

Thread Length 18mm

EF844 - Total Length 50mm

Thread Length 25mm

EF847 - Total Length 60mm

EF848 - Total Length 70mm

Thread Length 20mm

EF845 - Total Length 60mm

EF846 - Total Length 70mm

Thread Length 30mm

EF849 - Total Length 60mm

EF850 - Total Length 70mm

EF851 - Total Length 100mm



Self-drilling Cortical Screws, Shaft Ø 3 mm, Thread Ø2.5-2.0mm
For use with the M100 Range

Thread Length 15mm

EF852 - Total Length 40mm

Thread Length 20mm

EF853 - Total Length 45mm

Bone Screws (with Hydroxyapatite Coating)



Cortical Screws, Shaft Ø 6 mm, Thread Ø6.0-5.0 mm - Sterile

Drill Bit Ø4.8mm

Thread Length 30mm

EF854 - Total Length 90mm
 EF855 - Total Length 100mm
 EF856 - Total Length 110mm
 EF857 - Total Length 130mm
 EF858 - Total Length 150mm
 EF859 - Total Length 220mm

Thread Length 40mm

EF860 - Total Length 100mm
 EF861 - Total Length 110mm
 EF862 - Total Length 120mm
 EF863 - Total Length 130mm
 EF864 - Total Length 150mm
 EF865 - Total Length 170mm
 EF866 - Total Length 220mm

Thread Length 50mm

EF867 - Total Length 110mm
 EF868 - Total Length 130mm
 EF869 - Total Length 150mm
 EF870 - Total Length 160mm
 EF871 - Total Length 180mm
 EF872 - Total Length 200mm
 EF873 - Total Length 250mm

Cortical Screws, Shaft Ø 4 mm, Thread Ø3.3-3.0 mm - Sterile

Drill Bit Ø2.7mm

Thread Length 20mm

EF882 - Total Length 70mm

Thread Length 60mm

EF874 - Total Length 150mm
 EF875 - Total Length 170mm
 EF876 - Total Length 180mm
 EF877 - Total Length 200mm
 EF878 - Total Length 250mm

Thread Length 70mm

EF879 - Total Length 160mm

Thread Length 80mm

EF880 - Total Length 170mm

Thread Length 90mm

EF881 - Total Length 200mm

Thread Length 35mm

EF883 - Total Length 80mm

Self-drilling Bone Screws (with Hydroxyapatite Coating)



Self-drilling Cortical Screws, Shaft Ø 6 mm, Thread Ø 6.0-5.0 mm - Sterile

Thread Length 30mm

EF884 - Total Length 220mm

EF885 - Total Length 250mm

Thread Length 40mm

EF886 - Total Length 220mm

Thread Length 50mm

EF887 - Total Length 220mm

Thread Length 60mm

EF888 - Total Length 150mm

Thread Length 70mm

EF889 - Total Length 160mm

Thread Length 80mm

EF890 - Total Length 170mm

Thread Length 90mm

EF891 - Total Length 180mm



Bone Screws, Shaft Ø 6 mm, Thread Ø 6.0-5.6 mm - Sterile

Thread Length 30mm

EF892 - Total Length 150mm

EF893 - Total Length 260mm

Thread Length 40mm

EF894 - Total Length 150mm

EF895 - Total Length 260mm

Thread Length 50mm

EF896 - Total Length 150mm

EF897 - Total Length 260mm

Thread Length 60mm

EF898 - Total Length 150mm

EF899 - Total Length 260mm

Thread Length 70mm

EF900 - Total Length 150mm

EF901 - Total Length 260mm

Thread Length 80mm

EF902 - Total Length 150mm

EF903 - Total Length 260mm

Thread Length 90mm

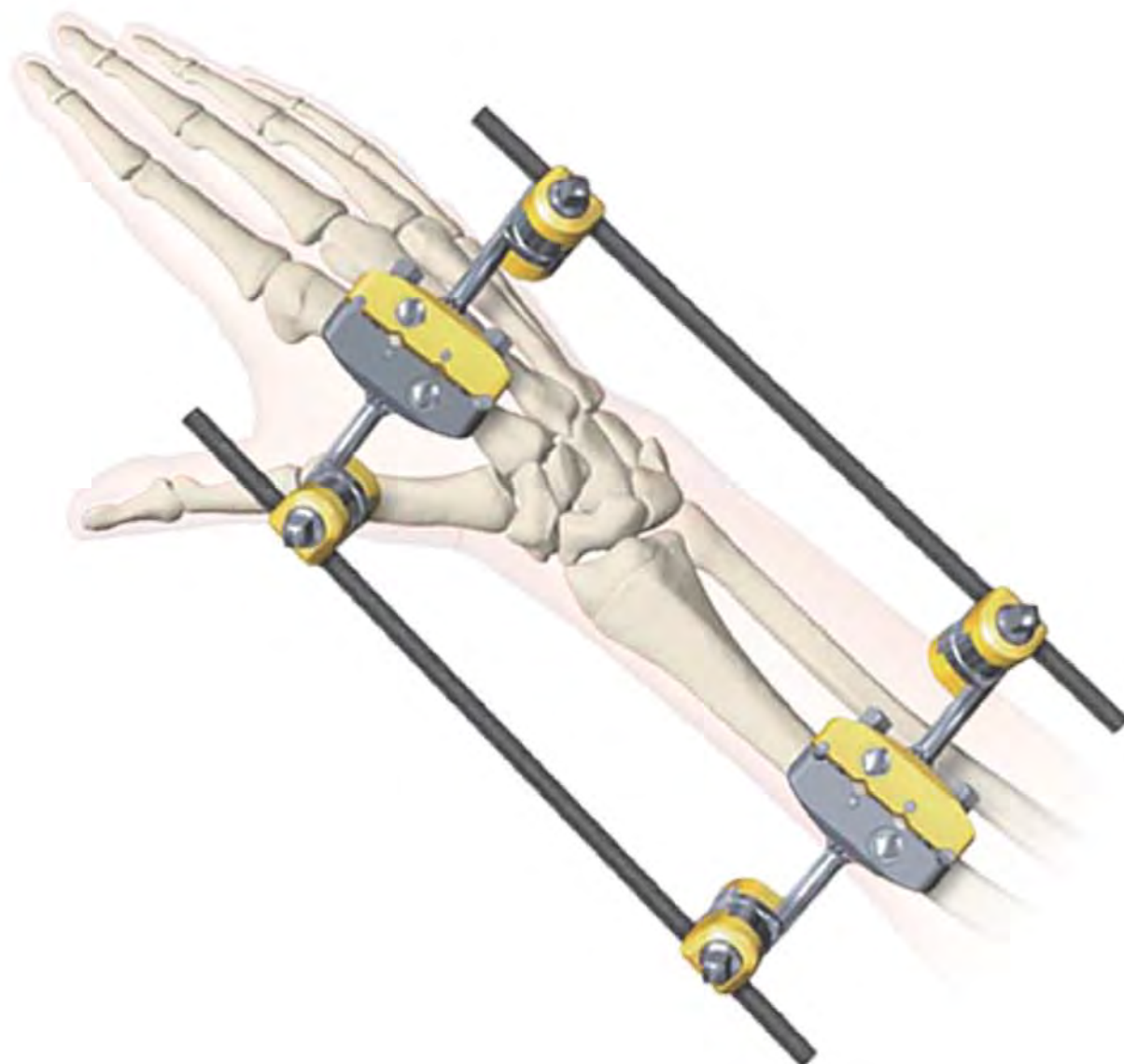
EF904 - Total Length 150mm

EF905 - Total Length 260mm

Bonofix 5 External Fixation System

Distal Radius Fixator

NH II (Bonofix)

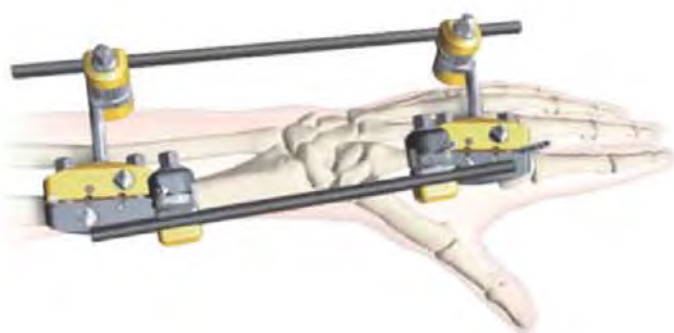
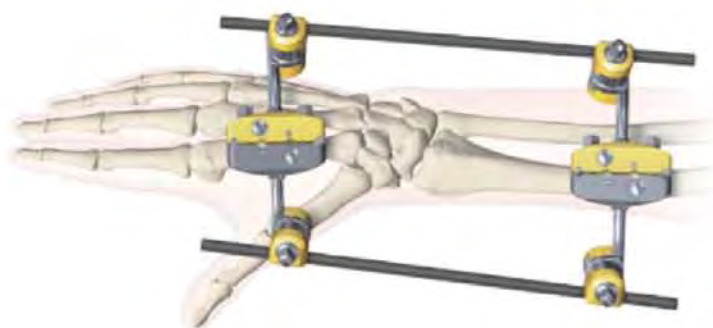


Frame Examples



EF370
Radius Joint Fixator

EF371
Distal Radius Fixator I

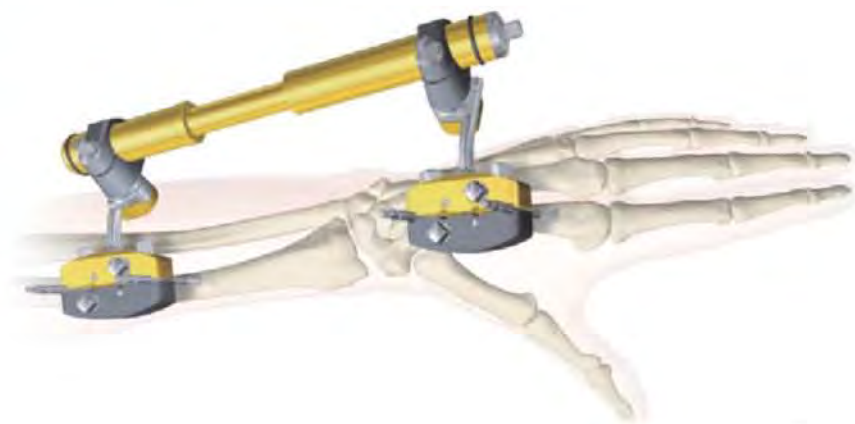


EF372
Distal Radius Fixator II

EF373
Distal Radius Fixator III



Frame Examples



EF374
Distal Radius Fixator IV



EF375
Forearm Fixator



EF376
Elbow Joint Fixator

Components



EF364 - Straight Post Ø5mm



EF366 - 30° Angled Post Ø5mm



Ø5mm Carbon Connecting Rod

EF528 - 65mm

EF529 - 100mm

EF530 - 150mm

EF531 - 200mm

EF532 - 250mm

EF533 - 300mm



Ø5mm Aluminium Connecting Rod

EF546 - 65mm

EF547 - 100mm

EF548 - 150mm

EF549 - 200mm

EF550 - 250mm

EF551 - 300mm



Ø3mm Self Drilling/ Self Tapping Pins

EF657 - Total Length 60mm

Thread Length 10mm

EF658 - Total Length 80mm

Thread Length 10mm

EF660 - Total Length 80mm

Thread Length 15mm

EF662 - Total Length 80mm

Thread Length 20mm

EF659 - Total Length 110mm

Thread Length 10mm

EF661 - Total Length 110mm

Thread Length 25mm



Compression/Distracton Tube

EF361 - Aluminium

EF362 - Titanium

Components

Ø4mm Self Drilling/ Self Tapping Pins

- EF663 - Total Length 90mm
Thread Length 10mm
- EF667 - Total Length 90mm
Thread Length 20mm
- EF671 - Total Length 90mm
Thread Length 30mm
- EF669 - Total Length 120mm
Thread Length 30mm
- EF668 - Total Length 120mm
Thread Length 35mm
- EF665 - Total Length 150mm
Thread Length 40mm
- EF669 - Total Length 150mm
Thread Length 50mm
- EF666 - Total Length 180mm
Thread Length 40mm
- EF670 - Total Length 180mm
Thread Length 50mm



Ø4mm Blunt Pins

- EF611 - Total Length 90mm
Thread Length 10mm
- EF616 - Total Length 90mm
Thread Length 20mm
- EF620 - Total Length 90mm
Thread Length 30mm
- EF612 - Total Length 120mm
Thread Length 30mm
- EF617 - Total Length 120mm
Thread Length 35mm
- EF613 - Total Length 150mm
Thread Length 40mm
- EF618 - Total Length 150mm
Thread Length 50mm
- EF615 - Total Length 180mm
Thread Length 40mm
- EF619 - Total Length 180mm
Thread Length 50mm



Ø3mm Blunt Pins

- EF687 - Total Length 60mm
Thread Length 10mm
- EF688 - Total Length 80mm
Thread Length 10mm
- EF690 - Total Length 80mm
Thread Length 15mm
- EF692 - Total Length 80mm
Thread Length 20mm
- EF689 - Total Length 110mm
Thread Length 10mm
- EF691 - Total Length 110mm
Thread Length 25mm



EF390
Stabilization/Reduction Wrench



Ef392
5mm Wrench/Ø3-4mm Pin Driver

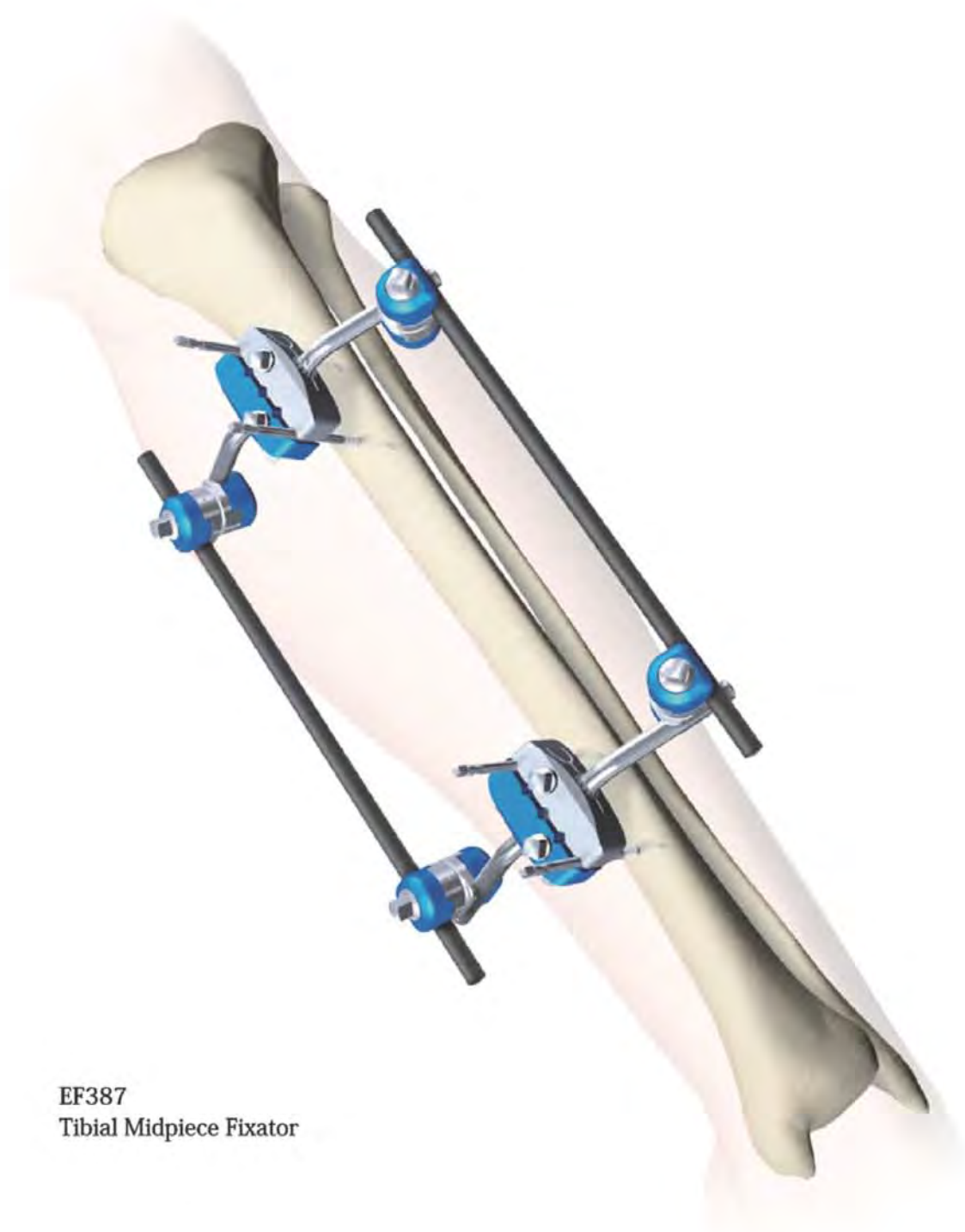


EF391
Thumbwheel



EF393
5mm Spanner Wrench

Bonofix 8 External Fixation System



EF387
Tibial Midpiece Fixator

Frame Examples



EF377
Humerus Shaft Fixator



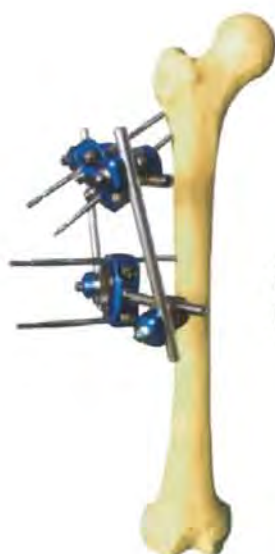
EF378
Proximal Humerus Fixator



EF381
Femoral Shaft Fixator I



EF382
Femoral Shaft Fixator II



EF383
Proximal Femur Fixator



EF384
Knee Joint Fixator I

Frame Examples



EF385
Knee Joint Fixator II



EF387
Tibial Midpiece Fixator



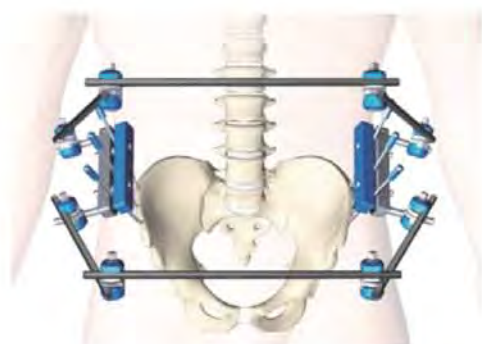
EF386
Proximal Tibia Fixator



EF389
Ankle Fuston Joint Fixator



EF388
Ankle Joint Fixator



EF379
Pelvic Fixator I



EF380
Pelvic Fixator II

Components



EF363
Straight Post Ø8mm



EF365
30° Angled Post Ø8mm



EF367
90° Angled Post Ø8mm



Ø8mm Carbon Connecting Rod

EF534 - 65mm
EF536 - 100mm
EF538 - 150mm
EF539 - 200mm
EF540 - 250mm
EF541 - 300mm
EF542 - 350mm
EF543 - 400mm
EF544 - 450mm
EF545 - 500mm



Ø8mm Aluminium Connecting Rod

EF552 - 65mm
EF553 - 100mm
EF554 - 150mm
EF555 - 200mm
EF556 - 250mm
EF557 - 300mm
EF558 - 350mm
EF559 - 400mm
EF560 - 450mm
EF561 - 500mm



Ø8mm Stainless Steel Connecting Rod

EF501 - 65mm
EF502 - 100mm
EF503 - 150mm
EF504 - 200mm
EF505 - 250mm
EF506 - 300mm
EF507 - 350mm
EF508 - 400mm
EF509 - 450mm
EF510 - 500mm

Components



Aluminium Semi-Circular Curved Rod
EF595 - Small, 160mm (L)

EF596 - Medium, 180mm (L)

EF597 - Large, 200mm (L)



Ø5mm Self Drilling/Self Tapping Pins

EF672 - Total Length 120mm

Thread Length 30mm

EF677 - Total Length 120mm

Thread Length 35mm

EF673 - Total Length 150mm

Thread Length 40mm

EF678 - Total Length 150mm

Thread Length 50mm

EF674 - Total Length 180mm

Thread Length 35mm

EF679 - Total Length 180mm

Thread Length 50mm

EF682 - Total Length 180mm

Thread Length 60mm

EF675 - Total Length 200mm

Thread Length 50mm

EF680 - Total Length 200mm

Thread Length 60mm

EF676 - Total Length 250mm

Thread Length 50mm

EF681 - Total Length 250mm

Thread Length 70mm



Ø6mm Self Drilling/Self Tapping Pins

EF683 - Total Length 150mm

Thread Length 50mm

EF684 - Total Length 180mm

Thread Length 60mm

EF685 - Total Length 200mm

Thread Length 70mm

EF686 - Total Length 250mm

Thread Length 80mm

Components



Cancellous Pins Ø6.0/5.0mm

- EF638 - Total Length 120mm
Thread Length 35mm
- EF639 - Total Length 150mm
Thread Length 40mm
- EF642 - Total Length 250mm
Thread Length 50mm
- EF640 - Total Length 180mm
Thread Length 60mm
- EF641 - Total Length 250mm
Thread Length 70mm



Ø5mm Blunt Pins,

- EF621 - Total Length 120mm
Thread Length 30mm
- EF629 - Total Length 120mm
Thread Length 35mm
- EF623 - Total Length 150mm
Thread Length 40mm
- EF630 - Total Length 150mm
Thread Length 50mm
- EF625 - Total Length 180mm
Thread Length 50mm
- EF631 - Total Length 180mm
Thread Length 60mm
- EF626 - Total Length 200mm
Thread Length 50mm
- EF632 - Total Length 200mm
Thread Length 60mm
- EF628 - Total Length 250mm
Thread Length 50mm
- EF633 - Total Length 250mm
Thread Length 70mm

Components



Ø6.0mm Blunt Pins

- EF634 - Total Length 150mm
Thread Length 50mm
- EF635 - Total Length 180mm
Thread Length 60mm
- EF636 - Total Length 200mm
Thread Length 70mm
- EF637 - Total Length 250mm
Thread Length 80mm



Transfixing Pins Ø5.0/4.0mm

- EF643 - Total Length 200mm
Thread Length 35mm
- EF646 - Total Length 200mm
Thread Length 40mm
- EF649 - Total Length 200mm
Thread Length 50mm
- EF644 - Total Length 250mm
Thread Length 35mm
- EF647 - Total Length 250mm
Thread Length 40mm
- EF650 - Total Length 250mm
Thread Length 50mm
- EF652 - Total Length 250mm
Thread Length 60mm
- EF645 - Total Length 300mm
Thread Length 40mm
- EF648 - Total Length 300mm
Thread Length 50mm
- EF651 - Total Length 300mm
Thread Length 70mm

Instruments



EF912
Stabilization/Reduction Wrench

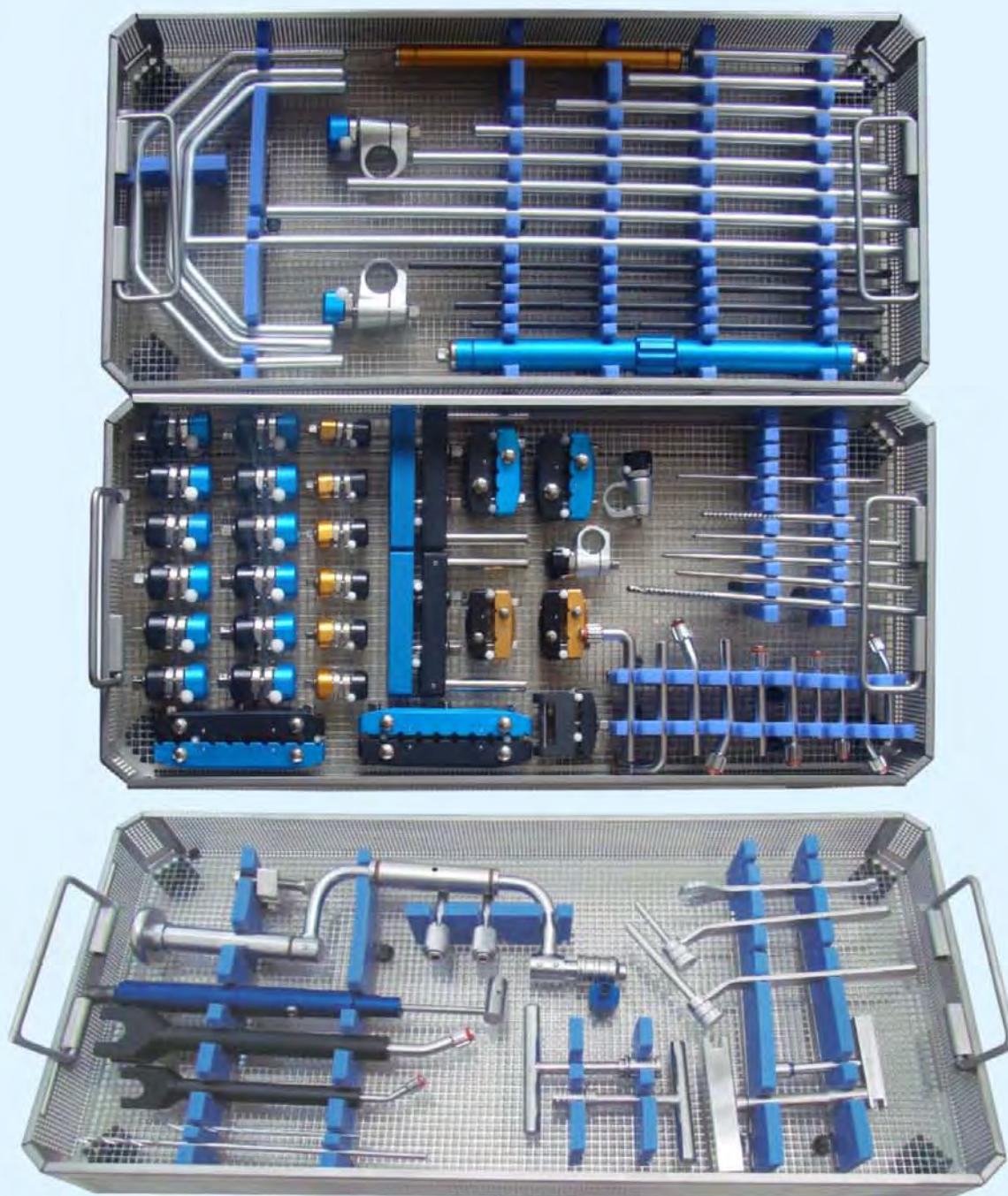


EF913
Thumbwheel



EF915
7mm Spanner Wrench

EF940
BonoFix 5 & 8 External Fixator Kit

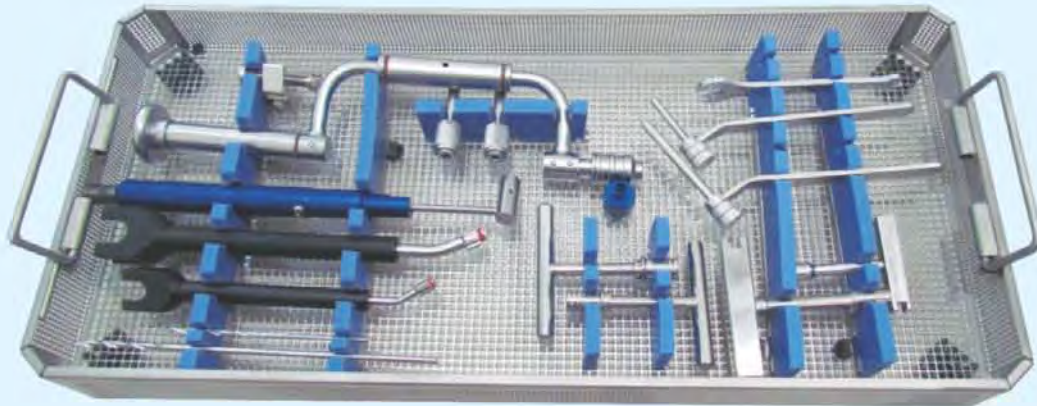


EF321	4-Hole Pin Clamp Ø3/4mm	2
EF327	Peri-Articular Pin Clamp Ø3mm	1
EF343	Rod-to-Rod Coupling, Rods or Posts of Ø5mm	4
EF335	Pin-to-Rod Coupling, Rods or Posts of Ø5mm; Pins of Ø3mm/Ø4mm	2
EF339	Tube-to-Rod Coupling, Tubes of Ø15mm; Rods or posts of Ø5mm	2
EF364	Straight Post Ø5mm	4
EF366	30° Angled Post Ø5mm	4
EF528	Carbon Connecting Rod Ø5×65mm	2
EF529	Carbon Connecting Rod Ø5×100mm	2
EF530	Carbon Connecting Rod Ø5×150mm	2
EF531	Carbon Connecting Rod Ø5×200mm	2
EF532	Carbon Connecting Rod Ø5×250mm	2
EF361	Compression-Distractor Tube Ø15mm	1
EF657	Self drilling/tapping screw Ø3×80mm	4
EF658	Self drilling/tapping screw Ø4×120mm	4
EF660	Self drilling/tapping screw Ø4×150mm	4
EF662	Self drilling/tapping screw Ø4×180mm	4
EF659	Self drilling/tapping screw Ø5×150mm	6
EF661	Self drilling/tapping screw Ø5×180mm	4
EF391	Thumb Wheel	1
EF323	5-Hole Pin Clamp, Ø4mm, Ø5mm, Ø6mm	2
EF325	10-Hole Pin Clamp, Ø4mm, Ø5mm, Ø6mm	2
EF329	Pelvic Clamp, Ø4mm, Ø5mm, Ø6mm	2
EF341	Rod-to-Rod Coupling, Rods or Posts of Ø8mm	6
EF333	Pin-to-Rod Coupling, Rods or Posts of Ø8mm; Pins of Ø4mm/Ø5mm	6
EF337	Tube-to-Rod Coupling, Tubes of Ø20mm; Rods or posts of Ø8mm	2
EF363	Straight Post Ø8mm	4
EF365	30° Angled Post Ø8mm	4
EF367	90° Angled Post Ø8mm	4
EF538	Carbon Connecting Rod Ø8×150mm	2
EF539	Carbon Connecting Rod Ø8×200mm	2
EF540	Carbon Connecting Rod Ø8×250mm	2
EF541	Carbon Connecting Rod Ø8×300mm	2
EF542	Carbon Connecting Rod Ø8×350mm	2
EF543	Carbon Connecting Rod Ø8×400mm	2
EF595	Semi-Circular Curved Rod 160mm, small	2
EF596	Semi-Circular Curved Rod 180mm, medium	2
EF597	Semi-Circular Curved Rod 200mm, large	2
EF359	Dynamination Tube Ø20mm	1
EF921	Spanner	1
EF922	Screw Guide (Small)	1
EF923	Screw Guide (Large)	1
EF924	Pressurizer	1
EF925	Hand Drill	1
EF926	Ø5mm Quick Coupling	1
EF927	Ø4mm Quick Coupling	1
EF928	Torque Wrench	1
EF929	Ø8mm Reduction Wrench	1
EF930	Ø5mm Reduction Wrench	1
EF931	Ø3.8mm Drill bit	1
EF932	Ø3.0mm Drill bit	1
EF933	Thumbwheel	1
EF934	Ø5mm T-Wrench	1
EF935	Ø7mm T-Wrench	1
EF936	Ø5mm T Quick Coupling	1
EF937	Ø4mm T Quick Coupling	1
EF938	Trays	1
EF939	Container	1

Sterilization Boxes

EF941

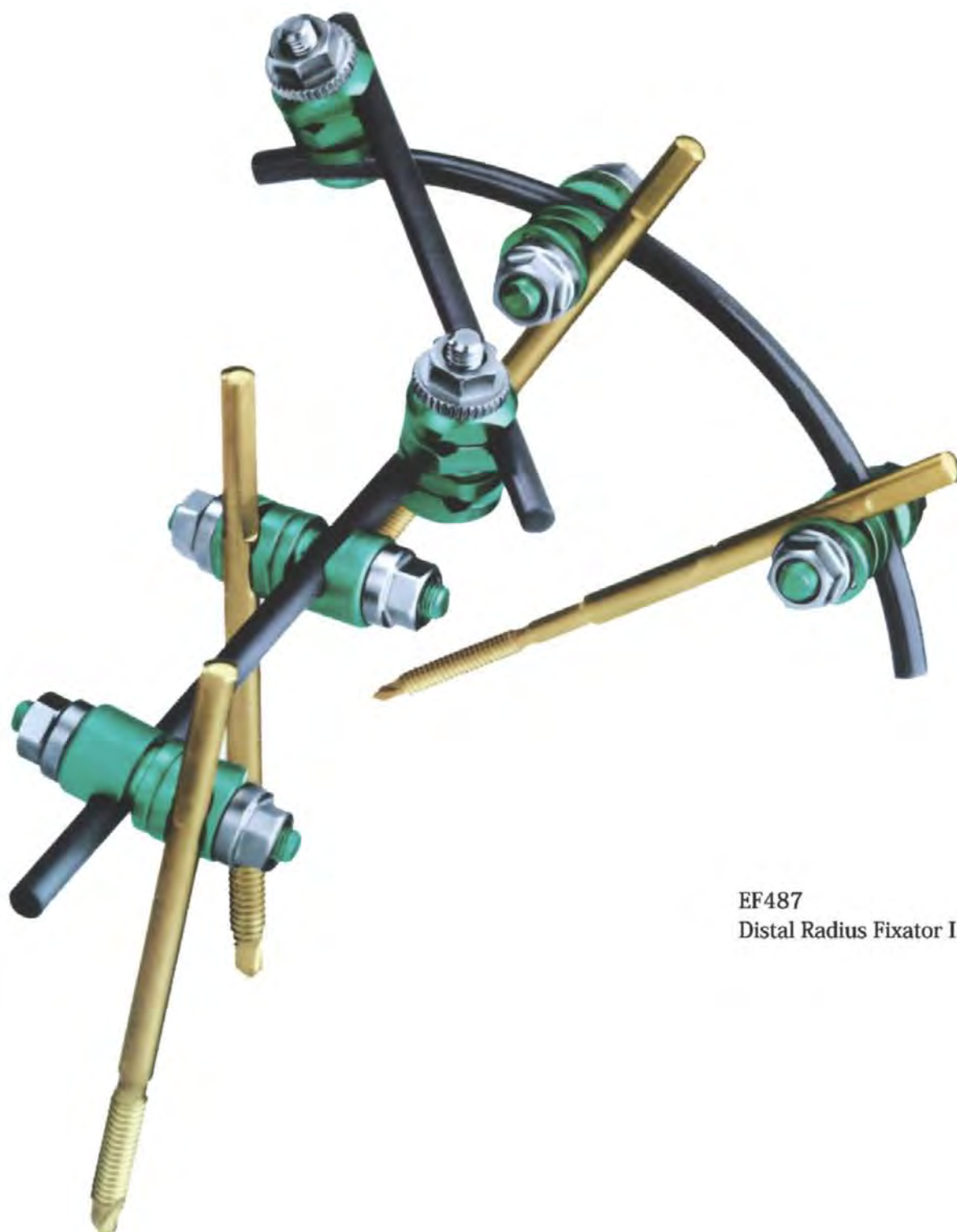
BonoFix 5 & 8 External Fixator Instrument Kit



EF921	Spanner	1
EF922	Screw Guide(Small)	1
EF923	Screw Guide(Large)	1
EF924	Pressurizer	1
EF925	Hand Drill	1
EF926	Ø5mm Quick Coupling	1
EF927	Ø4mm Quick Coupling	1
EF928	Torque Wrench	1
EF929	Ø8mm Reduction Wrench	1
EF930	Ø5mm Reduction Wrench	1
EF931	Ø3.8mm Drill bit	1
EF932	Ø3.0mm Drill bit	1
EF933	Thumbwheel	1
EF934	Ø5mm T-Wrench	1
EF935	Ø7mm T-Wrench	1
EF936	Ø5mm T Quick Coupling	1
EF937	Ø4mm T Quick Coupling	1
EF938	trays Large 50mm	1
EF939	Container	1

AO III
External Fixation System

Distal Radius Fixator I



EF487
Distal Radius Fixator I

Frame Examples



EF487
Humerus Fixator



EF488
Distal Radius Fixator I



EF489
Distal Radius Fixator II



EF490
Mini Fixator

Components



Pin to Rod Coupling (Large)
EF345 - Aluminium
EF348 - Titanium
for Ø5-6mm pins/Ø11mm rods

Pin to Rod Coupling (Medium)
EF346 - Aluminium
EF349 - Titanium
for Ø4mm pins/Ø8mm rods

Pin to Rod Coupling (Small)
EF347 - Aluminium
EF350 - Titanium
for Ø3mm pins/Ø4mm rods



Pin to Rod Coupling (Large)
EF465 - Stainless Steel
EF469 - Titanium
for Ø5-6mm pins/Ø11mm rods

Pin to Rod Coupling (Medium)
EF471 - Stainless Steel
EF472 - Titanium
for Ø4mm pins/Ø8mm rods

Pin to Rod Coupling (Small)
EF468 - Stainless Steel
EF470 - Titanium
for Ø3mm pins/Ø4mm rods



Tube To Tube Coupling (Large)
EF464 - Stainless Steel
EF473 - Titanium
for Ø11mm rods

Tube To Tube Coupling (Medium)
EF474 - Stainless Steel
EF476 - Titanium
for Ø8mm rods

Tube To Tube Coupling (Small)
EF475 - Stainless Steel
EF477 - Titanium
for Ø4mm rods



K-Wire
EF911 - Ø1.5mm

Components



EF351
Rod To Rod Coupling
for Ø3mm rods



EF352
Pin To Rod Coupling
for Ø1.5mm pins/Ø3mm rods



EF466
Cross Tube Clamp



EF467
Pin To Tube Clamp



EF535
Ø3mm Connecting Rod 75mm



EF537
Ø4mm Connecting Rod 120mm

Components



Ø8mm Carbon Connecting Rod,
 EF534 - 65mm
 EF536 - 100mm
 EF538 - 150mm
 EF539 - 200mm
 EF540 - 250mm
 EF541 - 300mm
 EF542 - 350mm
 EF543 - 400mm
 EF544 - 450mm
 EF545 - 500mm



Ø8mm Aluminium Connecting Rod
 EF552 - 65mm
 EF553 - 100mm
 EF554 - 150mm
 EF555 - 200mm
 EF556 - 250mm
 EF557 - 300mm
 EF558 - 350mm
 EF559 - 400mm
 EF560 - 450mm
 EF561 - 500mm



Ø8mm Stainless Steel Connecting Rod
 EF501 - 65mm
 EF502 - 100mm
 EF503 - 150mm
 EF504 - 200mm
 EF505 - 250mm
 EF506 - 300mm
 EF507 - 350mm
 EF508 - 400mm
 EF509 - 450mm
 EF510 - 500mm

Components / Replacements



Ø11mm Carbon Connecting Rod

EF562 - 65mm
 EF563 - 100mm
 EF564 - 150mm
 EF565 - 200mm
 EF566 - 250mm
 EF567 - 300mm
 EF568 - 350mm
 EF569 - 400mm
 EF570 - 450mm
 EF571 - 500mm



Ø11mm Aluminium Connecting Rod

EF578 - 65mm
 EF579 - 100mm
 EF580 - 150mm
 EF581 - 200mm
 EF582 - 250mm
 EF583 - 300mm
 EF584 - 350mm
 EF585 - 400mm
 EF586 - 450mm
 EF587 - 500mm



Ø11mm Stainless Steel Connecting Rod

EF598 - 65mm
 EF599 - 100mm
 EF600 - 150mm
 EF601 - 200mm
 EF602 - 250mm
 EF603 - 300mm
 EF604 - 350mm
 EF605 - 400mm
 EF606 - 450mm
 EF607 - 500mm



Bone Pin

EF907 - 3.0mm
 EF908 - 4.0mm
 EF909 - 5.0mm
 EF909 - 6.0mm

Fixing Vertebral And Spinal System

Fixing Vertebral and Spinal System



Fixing Vertebral and Spinal System



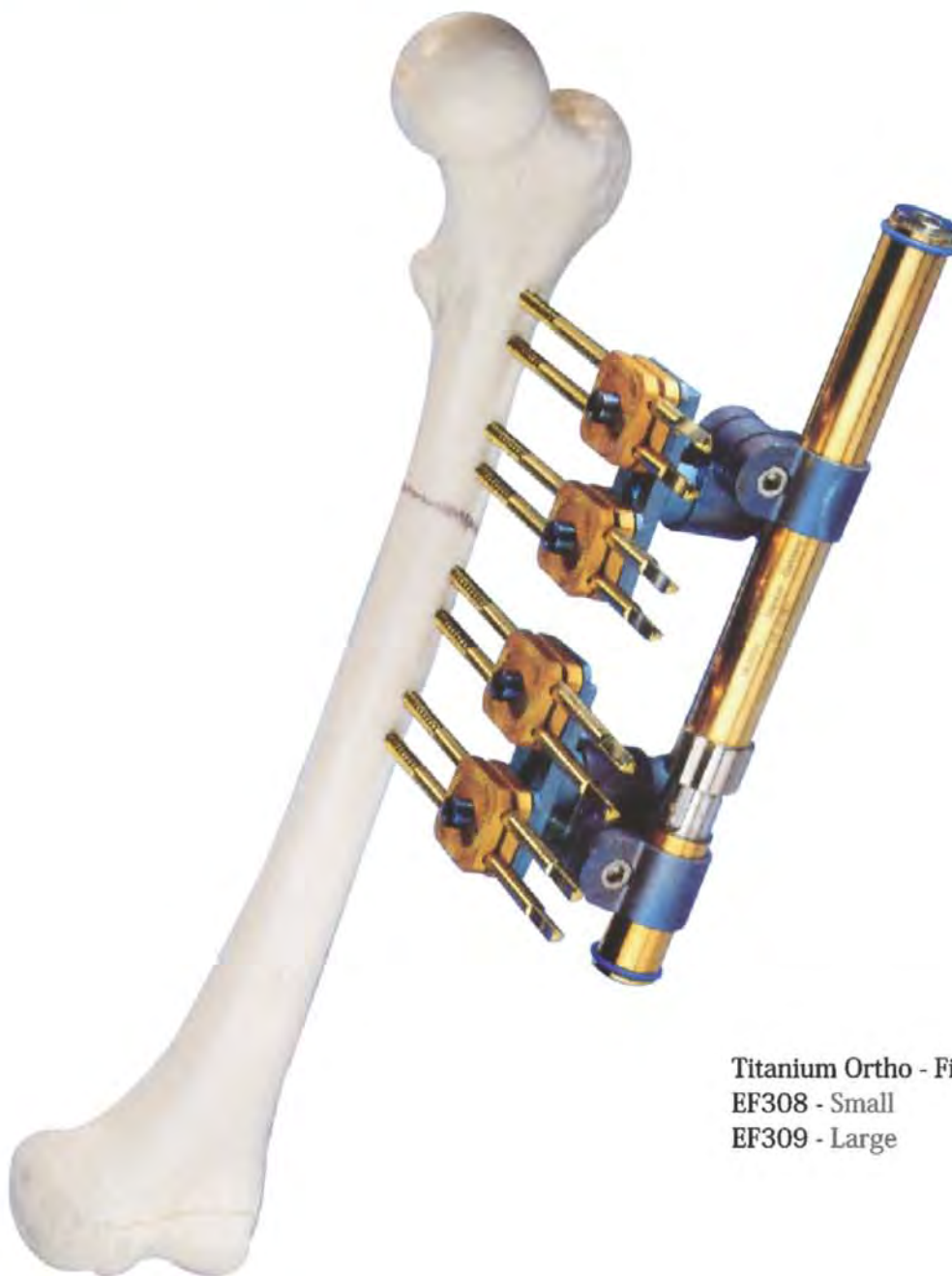
Aluminium
 EF513 - Large
 EF512 - Medium
 EF511 - Small



Peek
 EF517 - Large
 EF518 - Medium
 EF519 - Small

Titanium Ortho - Fixator System

Titanium Ortho - Fixator System



Titanium Ortho - Fixator
EF308 - Small
EF309 - Large

Product Features

- Made by Titanium Alloy, in accordance with biocompatibility
- Light Weight, Large Strength, Strong Stability
- Combination Structure, Convenient for Cleaning, Sterilization
- Products Surface is processed with Special Technic
- Human oriented design to Satisfy Biggest Demand in Clinical.

Components



Fixator Body, Titanium
EF310 - Large
EF311 - Small
(Compression, Distraction, Dynamizing)



Fixator Tube Titanium
EF725 - Length 20cm
EF726 - Length 25cm
EF727 - Length 30cm
EF728 - Length 35cm
EF729 - Length 40cm



EF312
Fixator T-Piece
Titanium



EF314
Fixator Jaw Complete
Titanium



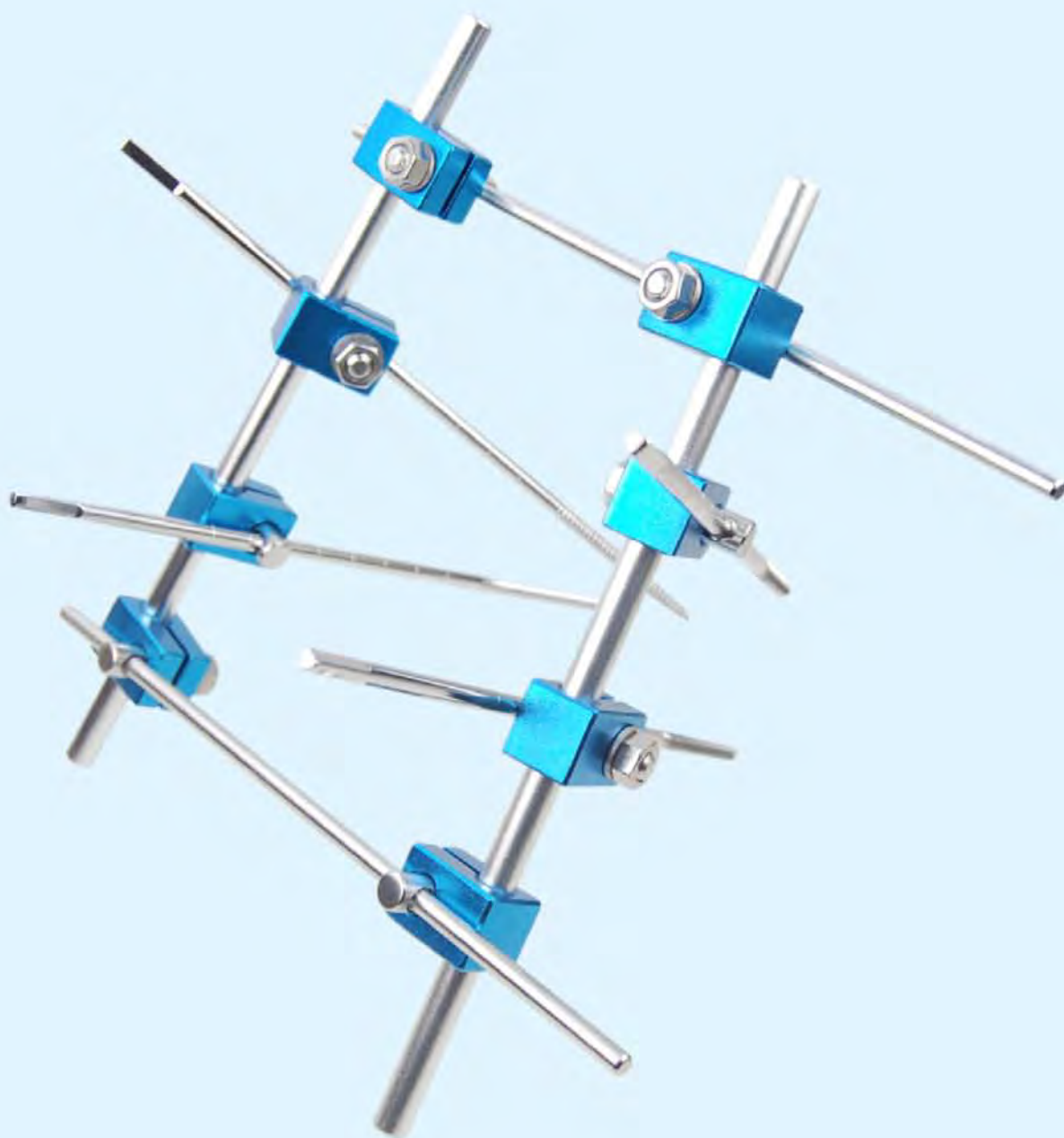
EF313
Joint for Two Tubes (360°)
Titanium

LineFix and Colles Fixator

Linefix

Fracture Region

Radius / Humerus / Tibia / Femur



LF01.001-130 Linefix 13cm		
1609.085	Front Threaded Pins, Ø2.40mm x Thread 20mm x Length 80mm.....	8
1604-4.70-130	Connecting Rod, Aluminium, Ø4.70mm x Length 130mm	2
1603-3.10-110	Connecting Rod, Stainless Steel, Ø3.10mm x Length 110mm	2
BCM-001	Blue Clamp, Mini with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.007	Wrench, Length 7mm	1
LF01.001-150 Linefix 15cm		
1609.030	Front Threaded Pins, Ø 3.0mm, Thread Length 25mm, Length 100mm....	8
1604-6.30-150	Connecting Rod, Aluminium, Ø6.30mm x Length 150mm	2
1603-3.10-150	Connecting Rod, Stainless Steel, Ø3.10mm x Length 150mm	2
BCS-001	Blue Clamp, Small with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1
LF01.001-170 Linefix 17cm		
1609.030	Front Threaded Pins, Ø 3.0mm, Thread Length 25mm, Length 100mm	8
1604-6.30-170	Connecting Rod, Aluminium, Ø6.30mm x Length 170mm	2
1603-3.10-150	Connecting Rod, Stainless Steel, Ø3.10mm x Length 150mm	2
BCS-001	Blue Clamp, Small with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1
LF01.001-200 Linefix 20cm		
1609.086	Front Threaded Pins, Ø4.5mm x Thread 42mm x Length 180mm.....	8
1604-7.90-200	Connecting Rod, Aluminium, Ø7.90mm x Length 200mm	2
1603-4.75-200	Connecting Rod, Stainless Steel, Ø4.75mm x Length 200mm	2
BCB-001	Blue Clamp Big with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1
LF01.001-250 Linefix 25cm		
1609.076	Front Threaded Pins, Ø 5.0mm, Thread Length 42mm, Length 180mm	8
1604-7.90-250	Connecting Rod, Aluminium, Ø7.90mm x Length 250mm	2
1603-4.75-200	Connecting Rod, Stainless Steel, Ø4.75mm x Length 200mm	2
BCB-001	Blue Clamp Big with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1
LF01.001-300 Linefix 30cm		
1609.076	Front Threaded Pins, Ø 5.0mm, Thread Length 42mm, Length 180mm	8
1604-7.90-300	Connecting Rod, Aluminium, Ø7.90mm x Length 300mm	2
1603-4.75-200	Connecting Rod, Stainless Steel, Ø4.75mm x Length 200mm	2
BCB-001	Blue Clamp Big with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1
LF01.001-350 Linefix 35cm		
1609.076	Front Threaded Pins, Ø 5.0mm, Thread Length 42mm, Length 180mm	8
1604-7.90-350	Connecting Rod, Aluminium, Ø7.90mm x Length 350mm	2
1603-4.75-200	Connecting Rod, Stainless Steel, Ø4.75mm x Length 200mm	2
BCB-001	Blue Clamp Big with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1
LF01.001-400 Linefix 40cm		
1609.076	Front Threaded Pins, Ø 5.0mm, Thread Length 42mm, Length 180mm	8
1604-7.90-400	Connecting Rod, Aluminium, Ø7.90mm x Length 400mm	2
1603-4.75-200	Connecting Rod, Stainless Steel, Ø4.75mm x Length 200mm	2
BCB-001	Blue Clamp Big with Connecting Nut, Washer and Schanz Pin Fixtation	12
1608.010	Wrench 10mm	1

Colles Fixator



CF01-001-145 Colles Fixator, 145mm		
CF01.001	Colles Fixator	1
1609.030-24	Front Threaded Pins, Ø3.0mm x Thread 24mm x Length 100mm	3
1609.029	Front Threaded Pins, Ø 2.5mm, Thread Length 20mm, Length 80mm.....	3
1608.014	Wrench 14mm	2
3766-004	Allen Key 4mm	1
CF01-001-165 Colles Fixator 165mm		
CF01.002	Colles Fixator	1
1609.030-24	Front Threaded Pins, Ø3.0mm x Thread 24mm x Length 100mm	3
1609.029	Front Threaded Pins, Ø 2.5mm, Thread Length 20mm, Length 80mm.....	3
1608.014	Wrench 14mm	2
3766-004	Allen Key 4mm	1

Ao Type External Fixators

Forearm and Metacarpals

1601.001M
Small Single Pin Clamp 4.0 X 2.5mm Modified



1603.000
Small Compression Distraction Device



1602.000M
Small Connecting Clamp 4.0 X 4.0mm Modified



Spanner



2163-03 7mm
2163-02 8mm

Front Threaded Pins



Codes	Dia (mm)	Length (mm)
1607-1.5-075	1.5	75
1607-2.0-075	2.0	75
1607-2.5-100	2.5	100

T-Wrench



1608.007 7mm
1608.008 8mm

Front Threaded Pins



Codes	Description
1607.001	Dia 3.5mm, Shaft 4.0mm, Length 125mm Thread Length - 14mm
1607.002	Thread Length - 20mm Dia 3.5mm, Shaft 4.5mm, Length 125mm
1607.003	Thread Length - 18mm
1607.004	Thread Length - 22mm
1607.005	Cancellous Front Threaded Pins Dia 3.5mm, Shaft 4.0mm, Length 125mm

Connecting Rod - 4.0mm Dia.



Codes	Length (mm)
1605.0100	100
1605.0150	150
1605.0200	200
1605.0250	250
1605.0300	300

Carbon Fibre Rod - 4.0mm Dia.



Codes	Length (mm)
C1605.0100	100
C1605.0150	150
C1605.0200	200
C1605.0250	250
C1605.0300	300

11mm Tubular External Fixators

2348.000 Tubular External Fixators

Codes	Description
1620.005S	Single Pin Clamp
1620.0005	Single Pin Clamp (Delux)
1620.0006	Double Pin Clamp
1620.0007	Open Single Pin Clamp
1620.0008	Connecting Clamp
1620.0008a	Open Connecting Clamp
1620.0009	Twin Adjustable Clamp – Straight
1620.0010	Twin Adjustable Clamp – Curved
1620.0011	Transverse Clamp
1620.0012	Tube to Tube Clamp
1620.0021	Self Holding Clamp
1620.0018	Compression Distraction Device
1620.0013	Semi Circular Tubular Rod – Small
1620.0014	Semi Circular Tubular Rod – large
1620.0015	Single Pin Clamp with Extension Plate
1620.0016	Double Pin Clamp with Extension Plate
1620.0019	Shanz Pin Introducer
1620.0020	Connecting Rod 5.0mm
2163-01	Spanner - 11mm
1608.011	T-Wrench - 11mm
1620.0023	Box Spanner - 11mm
1620.0003	Triple Trocar Set with Handle
1620.0004	Triple Trocar Set - Extra Long
1620.0002	Sleeve with Handle for 6.5mm Cancellous Shanz Pin
1620.0100	Tubular Rods : 100mm (4")
1620.0150	Tubular Rods : 150mm (6")
1620.0200	Tubular Rods : 200mm (8")
1620.0250	Tubular Rods : 250mm (10")
1620.0300	Tubular Rods : 300mm (12")
1620.0350	Tubular Rods : 350mm (14")
1620.0400	Tubular Rods : 400mm (16")
1620.0450	Tubular Rods : 450mm (18")
1620.0500	Tubular Rods : 500mm (20")

Components

1601.001
Small Single Pin Clamp 4.0 X 2.5mm



1620.0005
Single Pin Clamp - Deluxe



1620.0006 Double Pin Clamp



1620.0007 Open Single Pin Clamp



1620.0010 Twin Adjustable Clamp Curved



1620.0012 Tube to Tube Clamp



1620.0008 Connecting Clamp



1620.0009 Twin Adjustable Clamp Straight



1620.0018 Compression Distraction Device



1620.0011 Transverse Clamp



Instruments

1620.0019 Schanz Pin Introducer



1608.011 T-Wrench 11mm



2163-01 Spanner 11mm



1620.0003 Triple Trocar Setwith Handle



1620.0004 Triple Trocar Setwith Handle Extra Long



1620.0020 Connecting Rod 5.0mm



Tubular Rod 11mm Dia.



Codes	Size
1620.0100	100mm(4")
1620.0150	150mm(6")
1620.0200	200mm(8")
1620.0250	250mm(10")
1620.0300	300mm(12")
1620.0350	350mm(14")
1620.0400	400mm(16")
1620.0450	450mm(18")
1620.0500	500mm(20")

Carbon Fibre Rod 11mm Dia.



Codes	Size
C1620.0100	100mm(4")
C1620.0150	150mm(6")
C1620.0200	200mm(8")
C1620.0250	250mm(10")
C1620.0300	300mm(12")
C1620.0350	350mm(14")
C1620.0400	400mm(16")
C1620.0450	450mm(18")
C1620.0500	500mm(20")

Bone Pins

Cancellous Front Threaded Pins 6.5mm



Codes	Thread Length(mm)	Length(mm)
1610.001	16	225
1610.002	32	225
1610.003	50	225

Front Threaded Pins (Shanz Screws)



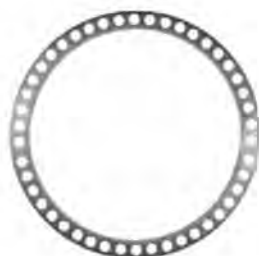
Codes	Dia(mm)	Length(mm)	Thread(mm)
1609.001	4.0	125	18
1609.002	4.0	175	25
1609.003	4.5	150	18
1609.004	4.5	150	25
1609.005	4.5	175	18
1609.006	4.5	175	25
1609.007	4.5	175	32
1609.008	4.5	175	40
1609.009	4.5	200	25
1609.010	4.5	200	32
1609.011	4.5	200	40
1609.012	4.5	225	25
1609.013	4.5	225	32
1609.014	4.5	225	40
1609.015	5.0	150	18
1609.016	5.0	150	25
1609.017	5.0	175	18
1609.018	5.0	175	25
1609.019	5.0	175	32
1609.020	5.0	175	40
1609.021	5.0	200	25
1609.022	5.0	200	32
1609.023	5.0	200	40
1609.024	5.0	225	25
1609.025	5.0	225	32
1609.026	5.0	225	40
1609.027	6.0	225	32
1609.028	6.0	225	40

Ilizarov Ring Fixators

Components

ILIZAROV - Full Ring

Codes	Size (mm)
1611.080	80
1611.100	100
1611.120	120
1611.140	140
1611.160	160
1611.180	180
1611.200	200
1611.220	220
1611.240	240



ILIZAROV - 1/2 Ring

Codes	Size (mm)
1612.080	80
1612.100	100
1612.120	120
1612.140	140
1612.160	160
1612.180	180
1612.200	200
1612.220	220
1612.240	240



ILIZAROV - 5/8 Ring

Codes	Size (mm)
1613.100	100
1613.120	120
1613.140	140
1613.160	160
1613.180	180
1613.200	200
1613.220	220
1613.240	240
1613.260	260



Components

Omega Ring

Codes	Size (mm)
1617.120	120
1617.140	140
1617.160	160
1617.180	180
1617.200	200



Carbon Fiber Ring



Sizes / Codes

ID (mm)	OD (mm)	Full Ring	3/4 Ring	5/8 Ring	Half Ring	3/8 Ring	1/4 Ring
80	120	FR1618-01	3/4-1618-01	5/8-1618-01	HF1618-01	3/8-1618-01	1/4-1618-01
100	140	FR1618-02	3/4-1618-02	5/8-1618-02	HF1618-02	3/8-1618-02	1/4-1618-02
110	150	FR1618-03	3/4-1618-03	5/8-1618-03	HF1618-03	3/8-1618-03	1/4-1618-03
120	160	FR1618-04	3/4-1618-04	5/8-1618-04	HF1618-04	3/8-1618-04	1/4-1618-04
130	170	FR1618-05	3/4-1618-05	5/8-1618-05	HF1618-05	3/8-1618-05	1/4-1618-05
140	180	FR1618-06	3/4-1618-06	5/8-1618-06	HF1618-06	3/8-1618-06	1/4-1618-06
150	190	FR1618-07	3/4-1618-07	5/8-1618-07	HF1618-07	3/8-1618-07	1/4-1618-07
160	200	FR1618-08	3/4-1618-08	5/8-1618-08	HF1618-08	3/8-1618-08	1/4-1618-08
180	220	FR1618-09	3/4-1618-09	5/8-1618-09	HF1618-09	3/8-1618-09	1/4-1618-09
200	240	FR1618-10	3/4-1618-10	5/8-1618-10	HF1618-10	3/8-1618-10	1/4-1618-10
220	260	FR1618-11	3/4-1618-11	5/8-1618-11	HF1618-11	3/8-1618-11	1/4-1618-11
240	280	x	x	5/8-1618-12	HF1618-12	x	x

Italian Femoral Arche 90° Italian Femoral Arche 120°



Stainless Steel



Carbon Fibre

Codes	Size (mm)	Codes	Size (mm)
1621.100	100	1622.100	100
1621.120	120	1622.120	120
1621.140	140	1622.140	140
1621.160	160	1622.160	160
1621.180	180	1622.180	180
1621.200	200	1622.200	200
1621.220	220	1622.220	220
1621.240	240	1622.240	240
1621.260	260	1622.260	260

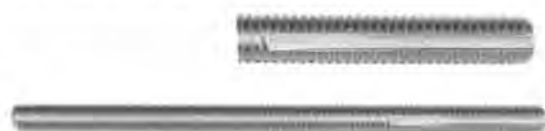
Codes	Size (mm)	Codes	Size (mm)
1621.100C	100	1622.100C	100
1621.120C	120	1622.120C	120
1621.140C	140	1622.140C	140
1621.160C	160	1622.160C	160
1621.180C	180	1622.180C	180
1621.200C	200	1622.200C	200
1621.220C	220	1622.220C	220
1621.240C	240	1622.240C	240
1621.260C	260	1622.260C	260

Threaded Rods



Codes	Size (mm)
1614.075	75
1614.100	100
1614.125	125
1614.150	150
1614.200	200
1614.250	250
1614.300	300
1614.350	350
1614.400	400
1614.450	450

Threaded Rods Slotted



Codes	Size (mm)
1615.075	75
1615.100	100
1615.125	125
1615.150	150

Carbon Fibre Connecting Plate

Codes	Holes
1616.02	2
1616.03	3
1616.04	4
1616.05	5
1616.06	6
1616.11	11
1616.16	16
1616.20	20

Twisted Plate



Codes	Holes
1632.02	2
1632.03	3
1632.04	4

Short Connection Plates



Codes	Holes
1625.02	2
1625.03	3
1625.04	4
1625.05	5
1625.06	6
1625.07	7
1625.08	8
1625.09	9
1625.10	10

Graduated Telescopic Rod



Codes	Size (mm)
1623.100	100
1623.150	150

Curved Plate



Codes	Holes
1633.03	3
1633.04	4
1633.05	5
1633.06	6

Connection Plates with Threaded Ends



Codes	Holes
1626.05	5
1626.07	7
1626.09	9
1626.11	11

Telescopic Rod



Codes	Size (mm)
1624.100	100
1624.150	150
1624.200	200
1624.250	250
1624.300	300

Threaded Sockets



Codes	Size (mm)
1634.020	20
1634.030	30
1634.040	40
1634.060	60

Post Male



Codes	Holes
1630.02	2
1630.03	3
1630.04	4

Post Female



Codes	Holes
1631.02	2
1631.03	3
1631.04	4

1627.000 Hinge - Male



1628.000 Hinge - 90°



1629.000 Hinge - Female



1640.000 Multi-Pin Fixation Clamp



1641.000 Single Pin Fixation Bolt



1642.000 Single Pin Fixation Bolt with Washer - Deluxe



1644.000 Wire Fixation Bolt Cannulated



Ilizarov Wire Bayonet Point



Codes	Size (mm)	Length (mm)
1636.01	1.5	400
1636.02	1.8	400

Ilizarov Wire Trocar Point



Codes	Size (mm)	Length (mm)
1637.01	1.5	400
1637.02	1.8	400

Olive Wire Bayonet Point



Codes	Size (mm)	Length (mm)
1638.01	1.5	400
1638.02	1.8	400

Olive Wire Trocar Point



Codes	Size (mm)	Length (mm)
1639.01	1.5	400
1639.02	1.8	400

1645.000 Wire Fixation Bolt Slotted



1648.000 Wire Buckle



1647.000 Oblique Support with Thread



1646.000 Oblique Support without Thread



1649.000 Connical Washer (Pair)



1650.000 Connection Bolt



1651.000 Nut - 10mm



1652.000 Square Nut



1653.000 Nylon Insert Nut



1654.000 Flat Sided Washer



1655.000 Slotted Washer



1656.000 Spacing Washer



1643-01 Wrenchocube One Hole



1643-02 Wrenchocube Two Hole



1643-03 Wrenchocube Three Hole



1643-04 Wrenchocube Four Hole



1656.000 Repofix Device



1657.000 Washer Hanger



1658.000 Angulated Wrench 10mm Cannulated



1660.000 Wire Tensioner Dynamometer



Corticotome



Codes	Size (mm)
1659.005	5
1659.007	7
1659.010	10
1659.015	15

Codes	Description
1661.000	Wire Tensioner
1663.000	Box Spanner 10mm
1664.000	Cannulated Bolt with Female Thread in Head
2163.04	Spanner 10mm

5005.000 ILIZAROV SET - SMALL

Set Consisting of	Units
Half Rings : 80/100/120mm	8
Cannulated Bolts	20
Connection Bolts	10
Telescopic Rods : 100, 150mm (3 each)	6
Nuts : 10mm	100
Threaded Rods : 100, 150, 200mm (6 each)	18
Short Connection Plate : 3 Holes, 4 Holes (4each)	8
Male Post	2
Female Post	2
Washers	10
Hinge - Male/Female	6
Sockets	6
K.Wire 1.5/1.8mm	10
Olive Wires 1.5/1.8mm	2
Aluminium Box for Ilizarov Set - Small (Code: A10.036)	

5006.000 ILIZAROV Set - Medium

Set Consisting of	Units
Half Rings : 140/160/180mm	8
Cannulated Bolts	20
Connection Bolts	10
Telescopic Rods : 100, 150mm (3 each)	6
Threaded Rods : 100, 150, 200mm (6 each)	18
Nuts : 10mm	100
Short Connection Plates : 3 Holes, 4 Holes (4each)	8
Short Connection Plates : 5, 6, 7 Holes (2 each)	6
Male Post	2
Female Post	2
Washers	20
Hinge - Male/Female	6
Sockets	6
K.Wire 1.5/1.8mm	10
Olive Wires 1.5/1.8mm	2
Aluminium Box for Ilizarov Set - Medium (Code: A10.037)	1

5007.000 ILIZAROV Set - Large

Set Consisting of	Units
Half Ring : 200/220/240mm	8
5/8 Rings	2
Italian Arch	2
Cannulated Bolts	20
Connection Bolts	10
Telescopic Rods : 100, 150, 200mm (3 each)	9
Telescopic Rod : Graduated	3
Threaded Rods : 150, 200, 250mm (6 each)	18
Nuts	100
Short Connection Plates : 3 Holes, 4 Holes (4 each)	8
Short Connection Plates : 5, 6, 7 Holes (2 each)	6
Male Post	2
Female Post	2
Hinge - Male/Female	6
Washers	20
Sockets	6
Shanz Pins	4
Shanz Pins Fixation bolts	4
Oblique Support	2
K.Wire 1.8mm	10
Olive Wires 1.8mm	5
Aluminium Box for Ilizarov Set - Large (Code: A10.038)	1

Distal Radius Fixator

3723.000 Distal Radius Fixator



3724.000 Jig for Distal Radius Fixator



Tapered Pins



Codes	Size (mm)
3725-01	4 x 50L x 18TL
3725-02	4 x 60L x 20TL
3725-03	4 x 70L x 20TL
3725-04	4 x 80L x 20TL
3725-05	4 x 100L x 20TL

3728.000 Drill Sleeve 4 x 2.5mm



3730.000 Drill Bit 2.5mm



3731.000 Allen Key Universal A/F 3mm



3727.000 Half Pin Introducer 4mm



3726.000 Trocar



3729.000 Screw Guide 6 x 4mm



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