ORTHO-TRAUMA (UK) LIMITED

ORTHO-TRAUMA INTERNATIONAL

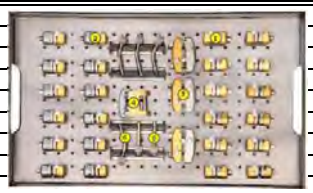
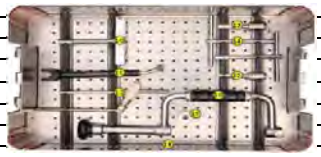
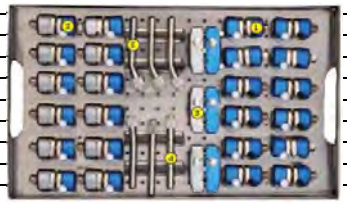
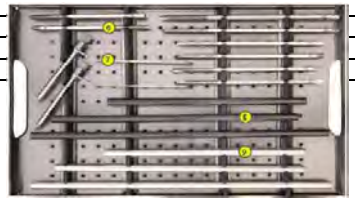
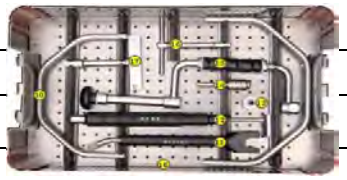
Company registration no: 8300404; VAT no: 976 5494 58 ; CE and ISO certified

26b Rotherfield Road,
Henley on Thames,
Oxon, RG91NN

United Kingdom
Tel: +44 7788801854
Email: johnszego@aol.com
info@orthotraumaint.com
www.orthotraumaint.com

EXTERNAL FIXATION

H 2 EXTERNAL FIXATION

		DESCRIPTION	REF.
Hoffmann 2 type Small type External Fixation SMALL for the Upper Extremities and Children		Rod to Rod Coupling for Ø5mm rods or posts	1
		Pin to Rod Coupling 5 mm rod x 3/4 mm pins	2
		4-Hole Pin Clamp for Ø3 and Ø4mm pins	3
		Peri-Articular Pin Clamp for Ø3mm pins	4
		Straight Post	5
		30° Post	6
		3 mm dia. Bone half pin	7
		Protecting Sleeve	8
		Aluminium Alloy Connecting Rod	9
		Carbon Fiber Connecting Rod	9
		T Wrench	10
		Stablization /Reduction Wrench	11
		Elbow joint	12
		Quick Couping Chuck for pins	13
		T Screwdriver	14
		Quick Couping Chuck for pins	15
		Brace	16
		Adjust wheel	17
		Sterilization Case	18
		Rod-Rod Coupling (8 x 8) for 8mm Rods or Posts	1
		Pin to Rod Coupling (8 x 4-5mm) 8 mm rod x 4/5 mm pins	2
		5 hole Pin Clamp for 4/5 mm pins	3
		Straight Rod	4
		Straight / 30 degree angled posts	5
		4 and 5 mm half pins	6
Hoffmann 2 type External Fixation LARGE for the Lower extremities Extremities		Protecting Sleeve	7
		Carbon Fiber Connecting Rod	8
		Aluminium Alloy Connecting Rod	9
		Semi Circular Curved Rod	10
		Stabilization /Reduction Wrench	11
		Wrench with Extension Bar	12
		Adjust Wheel	13
		Quick Coupling Chuck for pins	14
		Brace	15
		T Wrench	16
		T Wrench	17
		Case	18
			

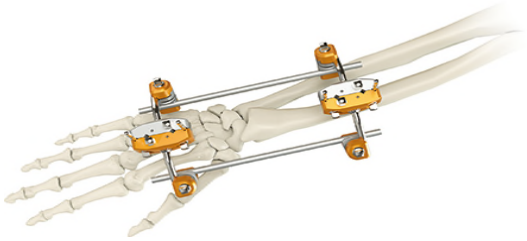
APEX TYPE PINS	

H 2 EXTERNAL FIXATION

DYNAMISATION AND COMPRESSION- DISTRACTION RODS

H 2 SMALL SIZE FOR UPPER EXTREMITIES FIXATION

Ulna&Radius spanning external fixator	**Rod to rod coupling**	**4**
	4-hole pin clamp	**2**
	Post	**4**
	Connecting rod	**2**
	Self drilling/Self tapping bone screws	**4**

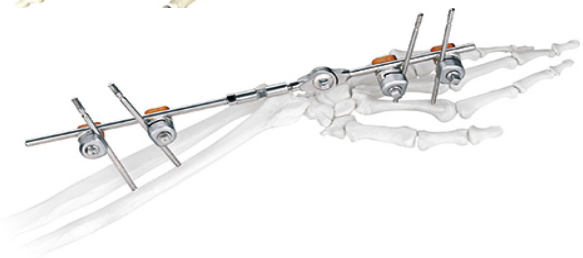


		QTY
Forearm fixator	**Rod to rod coupling**	**2**
	4-hole pin clamp	**2**
	Post	**2**
	Connecting rod	**1**
	Self drilling/Self tapping bone screws	**4**

H 2 SMALL SIZE FOR UPPER EXTREMITIES FIXATION

Distal radius fixator	Rod to rod coupling	1
	Pin to rod coupling	2
	Peri-articular pin clamp	1
	Connecting rod	1
	Self drilling/Self tapping bone screws	4

Wrist joint fixator	Wrist joint movement device	1	
	Pin to rod coupling	4	
	Self drilling/Self tapping bone screws	4	



Humeral shaft external fixator	Rod to rod coupling	2
	4-hole pin clamp	2
	Post	2
	Connecting rod	1
	Self drilling/Self tapping bone screws	4

		QTY
Proximal humerus fixator	Rod to rod coupling	4
	Pin to rod coupling	2
	4-hole pin clamp	1
	Connecting rod	2
	Connecting rod	1
	Post	2
	Self drilling/Self tapping bone screws	4

Humeral shaft fixator	Compression/Distraction tube	1
	Tube to rod coupling	2
	4-hole pin clamp	1
	Post	2
	Self drilling/Self tapping bone screws	4

H 2 SMALL UPPER EXTREMITY FIXATION COMPONENTS

Pin to rod coupling	φ5/3-4
Rod to rod coupling	φ5/5
Peri-articular pin clamp	φ5/3-4
4-hole pin clamp	φ5/3-4
Pin to rod coupling	φ3/2
Rod to rod coupling	φ3/3
Tube to rod coupling	φ15/5
Straight post	φ5/0°
30°post	φ5/30°

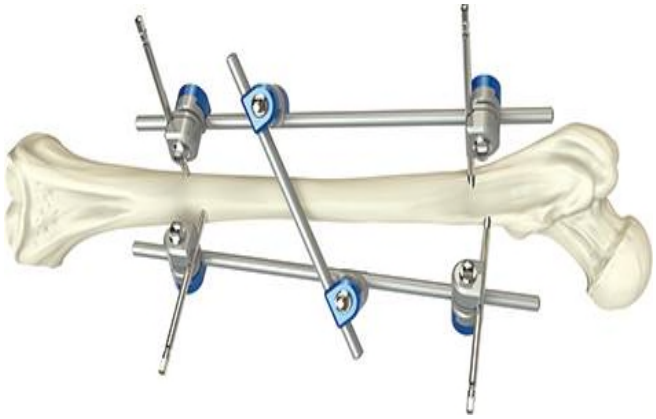
INSTRUMENTATION

Wrist joint movement device	φ5
Elbow joint movement device	φ5
Compression/Distraction tube	φ15
Stabilization/Reduction wrench	φ5
Wrench	#3 #4 #5
Hand Brace	Normal
T wrench	#5
Guides	φ3 φ4
Adaptor	φ3 φ4
Thumb wheel	#5/7
Screw driver	φ3 φ4

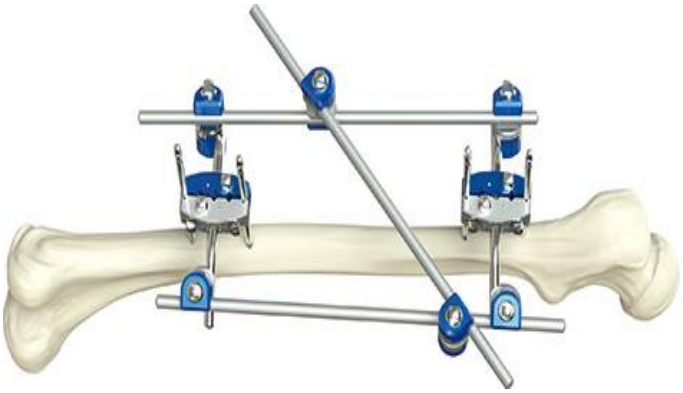
H 2 LARGE SIZE EXTERNAL FIXATION FOR LOWER EXTREMITIES

		QTY
Proximal tibia external fixator	**Rod to rod coupling**	4
	Pin to rod coupling	3
	5-hole pin clamp	1
	Post	2
	Pin to rod coupling	1
	Connecting rod	2
	Self drilling/Self tapping bone screws	5

		QTY
Femoral shaft fixator	**Rod to rod coupling**	2
	Pin to rod coupling	4
	Connecting rod	1
	Connecting rod	2
	Self drilling/Self tapping bone screws	5



	Rod to rod coupling	6
	5-hole pin clamp	2
Femoral shaft fixator	**Post**	4
	Connecting rod	2
	Connecting rod	1
	Self drilling/Self tapping bone screws	4



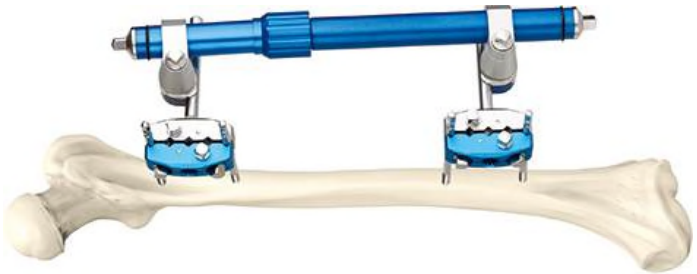
		QTY
Proximal femur fixator	**Rod to rod coupling**	4
	5-hole pin clamp	2
	Post	4
	Connecting rod	2
	Self drilling/Self tapping bone screws	2
	Self drilling/Self tapping bone screws	2

H 2 LARGE SIZE EXTERNAL FIXATION FOR LOWER EXTREMITIES

Ankle joint fixator	**Rod to rod coupling**	
	Pin to rod coupling	3
	Connecting rod	4
	Post	1
	Self drilling/Self tapping bone screws	2
		4

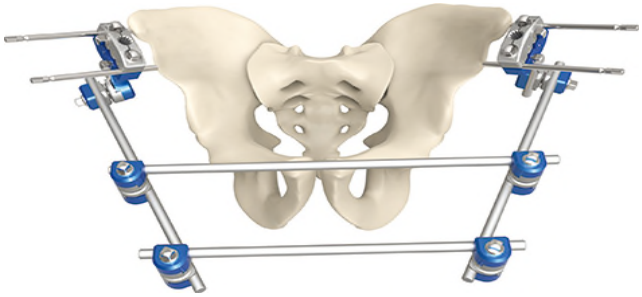
		QTY
Ankle fusion joint fixator	**Pin to rod coupling**	1
	Pin to rod coupling	4
	Ankle joint movement device	1
	Self drilling/Self tapping bone screws	4
	Self drilling/Self tapping bone screws	1

Femoral fixator	**Tube to rod coupling**	2
	Compression/Distraction tube	1
	5-hole pin clamp	1
	Post	2
	Self drilling/Self tapping bone screws	4



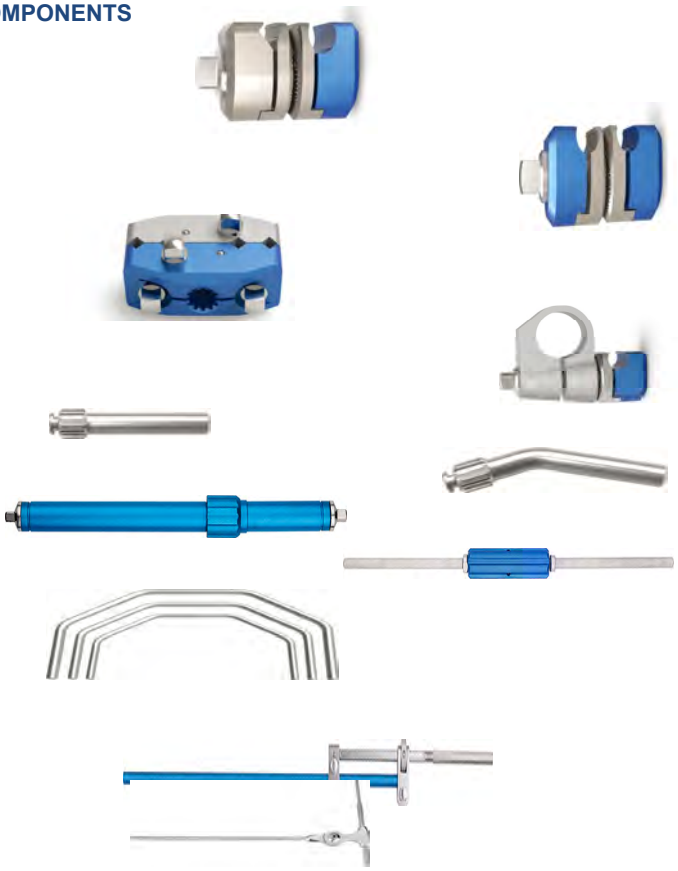
Micro-movement compression/distraction unilateral external fixator

Pelvic fixator	Rod to rod coupling	6
	5-hole pin clamp	2
	Post	2
	Connecting rod	2
	Connecting rod	2
	Self drilling/Self tapping bone screws	4



H2 LARGE LOWER EXTREMITY FIXATION COMPONENTS

Pin to rod coupling	φ8/5-6
Rod to rod coupling	φ8/8
5-hole pin clamp	φ8/5-6
Tube to rod coupling	φ20/8
Straight post	φ8/0°
30°post	φ8/30°
Compression/ Distraction tube	φ20
Compression/Distraction single rod	φ8
Semi-circular curved rod	φ8/160
	φ8/180
	φ8/200
Compression/Distraction double rods	φ8
Ankle joint movement device	φ8



INSTRUMENTATION

Torque wrench	#7
Stabilization/Reduction wrench	#7
Wrench	#5/5/7
Hand Brace	Normal
T wrench	#7
Guides	φ5 φ6
Adaptor	φ5 φ6
Thumb wheel	#5/7

SWISS TYPE External Fixator B

Half ring type	Ringent rod to rod coupling	6
	Ringent pin to rod coupling	6
	Semi-circular curved rod	2
	Connecting rod	1
	Compression/Distraction rod	2
	Standard screw	6

Condylar fixator	Ringent rod to rod coupling	3
	Ringent pin to rod coupling	6
	Semi-circular curved rod	1
	Trapezoidal curved rod	1
	Connecting rod	1
	Standard screw	6

Tibial joint side fixator	Ringent rod to rod coupling	3
	Ringent pin to rod coupling	7
	Semi-circular curved rod	1
	Curved rod	1
	Connecting rod	1
	Standard screw	7

Z frame（T type)	Ringent rod to rod coupling	2
	Ringent pin to rod coupling	4
	T clamp	1
	Connecting rod	1
	Connecting rod	2
	Standard screw	6

T frame	Ringent rod to rod coupling	4
	T clamp	1
	Connecting rod	1
	Standard screw	4
	Standard screw	2

Straight type	Ringent rod to rod coupling	1
	Pin to rod coupling	4
	Connecting rod	2
	Standard screw	4
Z type	Rod to rod coupling	2
	Pin to rod coupling	4
	Connecting rod	2
	Connecting rod	1
	Standard screw	4
T type	Ringent rod to rod coupling	4
	T clamp	1
	Connecting rod	1
	Standard screw	2
	Standard screw	2

Z type(Enhancement mode)	Rod to rod coupling	2
	Pin to rod coupling	4
	Connecting rod	2
	Connecting rod	1
	Standard screw	4
Pelvic fixator	Ringent rod to rod coupling	2
	Ringent pin to rod coupling	4
	Ringent rod to rod coupling	2
	Connecting rod	2
	Connecting rod	1
	Compression/Distraction rod	1
	Standard screw	4
Straight type	Pin to rod coupling	4
	Connecting rod	1
	Standard screw	4

Components & Instruments for SWISS TYPE External Fixator B

Pin to rod coupling(Enhancement mode)	φ11/5
Pin to rod coupling(Enhancement mode)	φ11/5-6
	φ11/3-4
Ringent rod to rod coupling	φ11/11
	φ11/8
	φ8/8
Ringent pin to rod coupling	φ8/2-3
	φ8/4-5
Ringent pin to rod coupling	φ11/5-6
	φ11/3-4
T clamp(Enhancement mode)	φ11/5
T clamp	φ8/4
	φ11/5
Rod to rod coupling	φ11/11
Rod to rod coupling	φ11/11
	φ8/8
Pin to rod coupling	φ8/3-4
	φ11/5-6
Ringent rod to rod coupling	φ11/11

Semi-circular curved rod	φ8
Curved rod	φ8
Trapezoidal curved rod	φ8

Pressurizer	Normal
Compression/Distraction rod	φ8
	φ8

SWISS TYPE EXTERNAL fixator B instrument boxes I

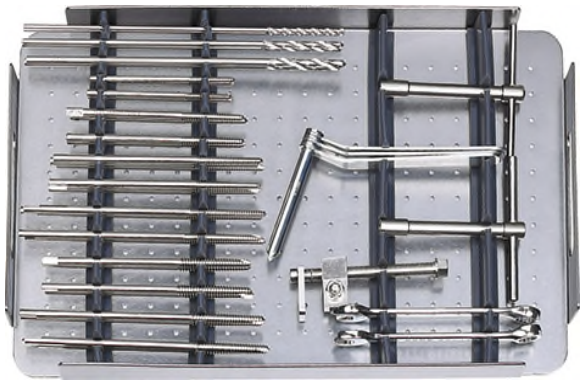
Ringent rod to rod coupling	φ8/8	4
Ringent pin to rod coupling	φ8/4-5	8
Ringent rod to rod coupling	φ11/11	4
Ringent pin to rod coupling	φ11/5-6	12
T clamp	φ11/5	2
Standard screw	HA4×90	4
	HA5×110	4
	HA5×130	6
	HA6×130	6
	HB5×150	2
	HB6×150	2
Drill bits	2.8×200	2
	3.8×200	2
	4.8×200	2
Screw driver	φ4	1
	φ5	1
Tapered trocar&guide	φ4	1
	φ5	1
	φ6	1
Open wrench	#10	2
Pressurizer	Normal	1
Connecting rod	φ8×150	2
	φ8×200	2
	φ8×250	2
	φ8×300	2
	φ11×150	2
	φ11×200	2
	φ11×250	2
	φ11×300	2
	φ11×350	2
Instrument set	B- I	1

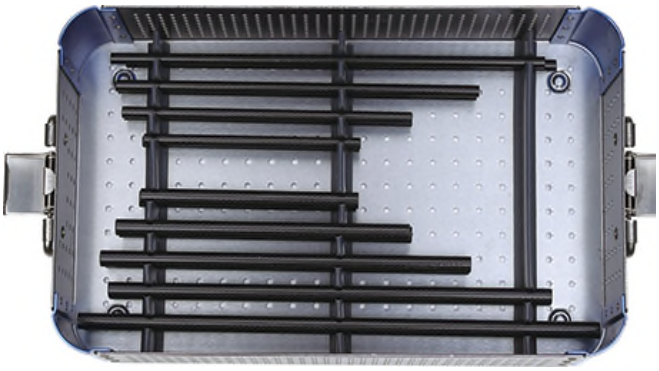
SWISS TYPE External Fixator B instrument boxes Ⅱ

Pin to rod coupling	φ11/5-6	12
Ringent rod to rod coupling	φ11/11	9
T clamp	φ11/5	2
Standard screw	HA5×110	4
	HA5×130	6
	HB5×150	2
	HA6×130	6
	HB6×150	2
Drill bits	3.8×200	2
	4.8×200	2
Screw driver	φ5	1
	φ6	1
Tapered trocar&guide	φ4	1
	φ5	1
	φ6	1
Open wrench	#10	2
Pressurizer	Normal	1
Connecting rod	φ11×150	4
	φ11×200	4
	φ11×250	4
	φ11×300	4
	φ11×350	4
Instrument set	B-Ⅱ	1

Upper limb External Fixation Ⅲ

Pin to rod coupling	φ8/3.5-4	8
Rod to rod coupling	φ8/8	4
Rod to rod coupling	φ11/11	4
Pin to rod coupling	φ11/5-6	12
T clamp	φ11/5	2
Standard screw	HA4×90	4
	HA4×110	4
	HA5×130	6
	HA6×130	6
	HB5×150	2
	HB6×150	2
Drill bits	2.8×200	2
	3.8×200	2
Drill bits	4.8×200	2
Screw driver	φ4	1
	φ5	1
Tapered trocar&guide	φ4	1
	φ5	1
	φ6	1
Pressurizer	Normal	1
Open wrench	#10	2
Connecting rod	φ8×150	2
	φ8×200	2
	φ8×250	2
	φ8×300	2
	φ11×150	2
	φ11×200	2
	φ11×250	2
	φ11×300	2
	φ11×350	2
Instrument set	B-Ⅲ	1

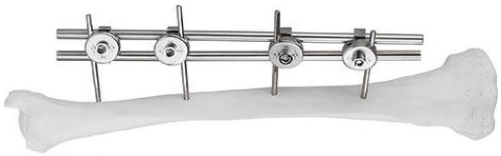




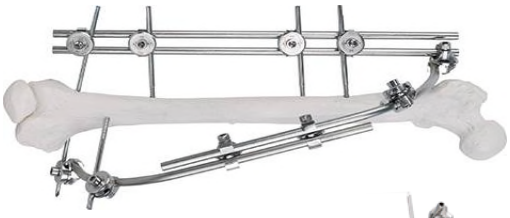
LOW COST MODULAR EXTERNAL FIXATION

Mini-fixator（Finger&Palm)	Mini-fixator(Finger&Palm)	1
Mini-fixator(Finger&Palm)	Mini-fixator(Finger&Palm)	1
Wrist joint fixator	Wrist joint fixator	1
Semi-circular type(Standard)	Rod to rod coupling	6
	Pin to rod coupling	6
	Semi-circular curved rod	2
	Connecting rod	1
	Compression/Distraction rod	2
	Bone screw	2
	K-wire	2
Pelvic fixator	Rod to rod coupling	6
	Pin to rod coupling	6
	Semi-circular curved rod	2
	Compression/Distraction rod	1
	Connecting rod	2
	Bone screw	6

Double rods tuberosity fixator	Double rods pin clamp	5
	Connecting rod	2
	Bone screw	2
	Bone screw	3
Double rod single side fixator	Pin to double rod coupling	4
	Connecting rod	2
	Bone screw	4
Humeral lateral condylar neck fixator	Pin to rod coupling	4
	Connecting rod	1
	Connecting rod	1
	Bone screw	4



Humeral frame	Rod to rod coupling	2
	Pin to rod coupling	6
	Connecting rod	2
	Connecting rod	1
	Bone screw	6
Femoral condylar fixator	Rod to rod coupling	3
	Pin to double rod coupling	2
	Pin to rod coupling	5
	Semi-circular curved rod	1
	Connecting rod	2
	Curved rod	1
	Bone screw	7
Femoral shaft fixator	Rod to rod coupling	3
	Pin to double rod coupling	4
	Pin to rod coupling	3
	Semi-circular curved rod	2
	Connecting rod	2
	Bone screw	4
	K-wire	1



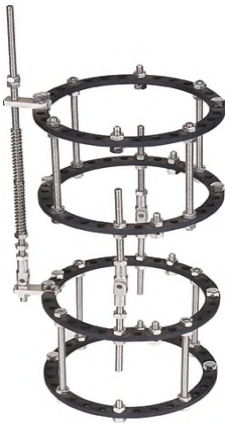
Ankle joint fixator	Rod to rod coupling	6
	Pin to rod coupling	8
	Compression/Distraction rod	2
	Connecting rod	2
	Connecting rod	2
	Bone screw	4
	K-wire	2
Tibial plateau frame	Rod to rod coupling	3
	Pin to rod coupling	8
	Connecting rod	1
	Semi-circular curved rod	1
	Curved rod	1
	Bone screw	6
	K-wire	1
Humeral condylar fixator	Rod to rod coupling	3
	Pin to rod coupling	5
	Connecting rod	1
	Semi-circular curved rod	1
	Curved rod	1
	Bone screw	3
	K-wire	1
Knee joint fixator	Rod to rod coupling	8
	Pin to rod coupling	14
	Semi-circular curved rod	2
	Curved rod	2
	Spanning joint connecting rod	2
	Bone screw	14

Components & instruments for LOW COST MODULAR External Fixator C

Single rod clamp	**φ8/3-4**
	φ8/4-5
	φ8/5-6
Double rods clamp	**φ6/6**
	φ8/8
Double rods pin clamp	**φ8/3-4**
	φ8/4-5
	φ8/5-6
Double rod to rod clamp	**φ6/6**
	φ8/8
Semi-circular curved connecting rod	**φ6 L**
	φ6 S
	φ8 L
	φ8 S
Trapezoidal curved connecting rod	**φ6**
	φ8
Curved connecting rod	**φ6 Long**
	φ6 Short
	φ8 Long
	φ8 Short
Compression/Distraction rod	**φ8**
	φ8
Spanning joint connecting rod	**φ8**
Open spanner	**#10**
	#10-13
Tapered trocar&guide	**φ3**
	φ4
	φ5
	φ6
Hex wrench	**φ2**
	φ3
	φ4
	φ5
	φ6
T Screw driver	**φ2**
	φ2.5
	φ3
	φ3.5
	φ4
	φ5
	φ6

EXTERNAL RING FIXATOR

Ring fixator	
Lower limb lengthening external fixator	
Ring fixator	
Elbow joint fixator	
Orthopedic external fixator	



EXTERNAL RING FIXATOR

Ring fixator with struts	
Knee joint fixator	

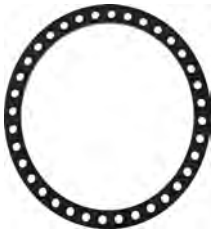
Ankle joint fixator

Components & instruments for RING EXTERNAL FIXATOR WITH STRUTS

Rings with six ears	**L**
	M
	S
Post with 4 edges	**1 hole**
	2 holes
	3 holes
	4 holes
	5 holes
	6 holes

Rings with 3 ears	**L**
	M
	S
Bush	**φ4**
	φ5
	φ6
Pin to ring coupling	**φ1.5**
	φ2.0
	φ3.0
Pin to post coupling	**φ4**
	φ5
Rod to ring bolt	**Normal**
Standard rod	**Long**
	Normal
	Short
Packaged rod	**Long**
	Normal
	Short

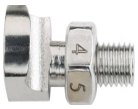
Annular diagonal tie	**Normal**
Rings	**φ80**
	φ100
	φ120
	φ140
	φ160
	φ180
	φ200
	φ220
Half rings	**φ80**
	φ100
	φ120
	φ140
	φ160



	φ180
	φ200
	φ220
2/3 rings	φ80
	φ100
	φ120
	φ140
	φ160
	φ180
	φ200
	φ220
Foot ring	L
	M
	S
Adjusting nut	Normal
Annular tubes	Normal
Spring	Normal
Single joint	Normal
	Normal

Universal joint	Normal
Threaded column	1 hole
	2 holes
	3 holes
	4 holes
	5 holes
	6 holes
	7 holes
	8 holes
Nut column	1 hole
	2 holes
	3 holes
	4 holes
	5 holes
	6 holes
	7 holes
	8 holes

L connecting plate	5 holes
	6 holes
	7 holes
	8 holes
	9 holes
	10 holes
	11 holes
	12 holes
Connecting plate	2 holes
	3 holes
	4 holes
	5 holes
	6 holes
	7 holes
	8 holes
Cross connecting plate	2 holes
	3 holes
	4 holes
	5 holes
	6 holes
	7 holes
	8 holes
Inner threaded connecting rod	80
	120
Pin clamp	φ4
	φ5
Pin clamp(double nuts)	φ1.2-2.0
	φ2.0-3.0
Drill bit stop unit	Normal
Hex nut M6(	M6
Post with 6 edges	Normal



OF type EXTERNAL FIXATION SYSTEM

ALL OF TYPE FIXATORS ARE SUPPLIED WITH STANDARD DIAMETER BONE SCREWS AND BASIC INSTRUMENTATION

101.100 MiniRail System	
Code	
101.101	Articulated Minirail Fixator Vertical Axis

101.102	Minirail Lengtheners Standard

101.103	Articulated Minirail Fixator Horizontal Axis

101.104	Articulated Minirail Fixator Multiplanar Axis

101.200 OF Type Mini System	
Code	

101.201	OF Minifixator - Standard

101.202	OF Minifixator - Lengthening

101.203	OF Minifixator - L Clamps

101.300 OF Type Wrist System	
Code	

101.301	OF Type Dynamic Wrist Fixator

101.302	OF Type Dynamic Long Module Compression-Distraction Module

101.303	**OF Type Dynamic Wrist Fixator for extra-articular fractures and corrective osteotomies**
101.304	**OF Type Dynamic Wrist Fixator Compression-Distraction Module Double Ball-Joint Extra -articular Radiolucent Wrist Clamp**
101.400 PROCALLUS SYSTEM	
Code	
101.401	**ProCallus Fixator**
101.402	**ProCallus Fixator- ProCallus Articulated T Clamp, ProCallus Standard Central Body, ProCallus Straight Clamp, Compression-Distraction Unit Standard**
101.404	**ProCallus Fixator - ProCallus Straight Clamp, ProCallus Standard Central Body, RadioLucent Ankle Clamp**

101.405	ProCallus Fixator - ProCallus Straigt Clamp, ProCallu Standard Central Body, RadioLucent Ankle Clamp(Peek pervious to light)

101.500 LRS (Limb Reconstruction System) System	
Code	
101.501	LRS Standard
101.502	LRS Standard
101.503	LRS Standard
101.504	LRS Standard

101.600 Pelvic System	
Code	
101.601	Pelvic Fixator - Short Fixator with ProCallus T-Clamps
101.602	Pelvic Fixator - Long Fixator with ProCallus Straight Clamps
101.603	Pelvic Fixator Long - Fixator with Ball-Jointed Modules for Independent Screw Placement

101.700 Elbow System	
Code	
101.701	Elbow System with Procallus Straight Clamps
101.702	Knee System with Procallus Straight Clamps
101.1000 Pertrochanteric System	
Code	Product Name
101.1001	Pertrochanteric Fixator
101.1100 Orthofix Instruments	
Code	
101.1101	Supplementary Screw Holder
101.1102	Universal Allen Wrench
101.1103	Screw Guide
101.1104	Drill Guides
101.1105	Tapered Trocar
101.1106	Template with Handle
101.1107	Wire Guide
101.1108	Torque Wrench
101.1109	Hammer
101.1110	Wire Tensioner

ORTHO-TRAUMA (UK) LIMITED

ORTH0-TRAUMA INTERNATIONAL

26b Rotherfield Road,
Henley on Thames,
Oxon, RG91NN
United Kingdom
Tel: +44 7788801854
Email: johnszego@aol.com
info@orthotraumaint.com
www.orthotraumaint.com