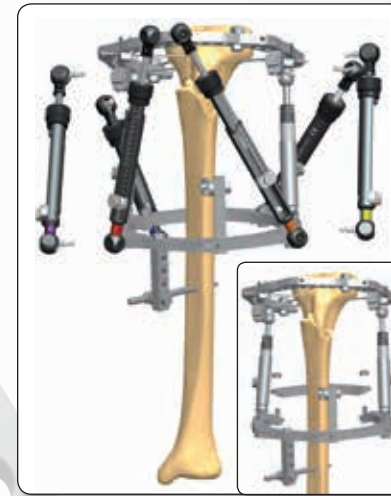


# ... To Definitive Hexapod



### 3

In cases requiring further post-operative precise reduction, TL-HEX TRUELOX HEXAPOD SYSTEM® struts can be added to the rings, transforming the TL-HEX Trauma Frame into software guided TL-HEX Standard Frame.

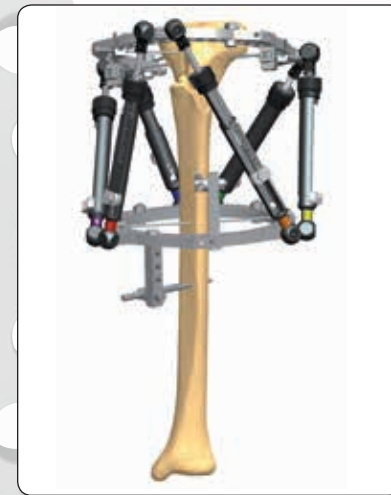
The TL-HEX struts are only added to the frame in cases when further correction is needed thus avoiding unnecessary cost.

Furthermore, TL-HEX struts can be added by the surgeon outside the operating theatre.

In case of two 5/8 rings with the opening on the same side, a 3/8 ring must be added to one of the rings to allow for conversion to the TL-HEX Standard Frame. Due to the unique feature of the TL-HEX 5/8 and 3/8 rings, this step can be done at any desired moment if bone fixation has been performed with half pins. In case of wires, the 3/8 ring can be attached only before they are tensioned.

Once the TL-HEX struts have been connected to the rings, the TL-HEX software can be used to achieve the final reduction.

Please reference to the complete operative technique, TL-1405-OPT, for detailed information.



PRODUCT INFORMATION TRAINING

The future of the hexapod system, built on solid circular fixation

www.tlhex.com

## Trauma Tray, TL-HEX TRUELOX HEXAPOD SYSTEM®, code 30110129 (empty)

The TL-HEX TRUELOX HEXAPOD SYSTEM® Trauma tray is available\*\* to accommodate all the instruments and implantable material necessary for the surgery, so it is ideal for emergency applications when time saving is a priority.

Part Number	Description	Qty
30110129C	Trauma Tray, TL-HEX, complete	1
56-23060	3/8 Ring, 160mm, TL-HEX	2
56-21420	Modular 5/8 Ring, 160mm, TL-HEX	4
56-23080	3/8 Ring, 180mm, TL-HEX	2
56-21440	Modular 5/8 Ring, 180mm, TL-HEX	4

50-10190	TrueLok Plus Long Quick Adjust Strut	6
92050	Transfixing Pin, Thread L 50mm Shaft Ø 4mm, Thread Ø 5mm	1
54-1215	TL Wire, W/Stopper, 1.8mm x 400mm	6
54-1216	TL Wire, Bayonet, 1.8mm x 400mm	2
54-11600	TL+ One Hole Post	3
54-11620	TL+ Three Hole Post	3
54-11640	TL+ Five Hole Post	3
54-11530	TL+ Universal Half Pin Fixation Bolt 4mm - 6mm	15
or		
54-11540	TL 8mm Half Pin Bolt	15
54-1152	TL Bolt, Wire Fixation, Universal	20
54-1010	TL Bolt, 16mm	15
50-1008	TL Nut, Stainless Steel, 10mm	30
54-2235	M6 X 1 Hex, Speednut, TrueLok System	12
17976	Drill Bit, 4.8mm x 180mm	1
or		
1100101	Drill Bit, 4.8mm x 180mm Tin Coated - Quick Connect	1
11.105	Drill Guide Ø 4.8mm Length 80mm	1

91150	Universal T-Wrench	1
54-2226	TL, 90 Degree Tubular Wrench	1
54-1154	TL, Wrench, Combo, 10mm	1
54-1139	TL PLUS Wire Tensioner With Tip	2

### Material out of the tray (Sterile)

Part Number	Description
99-56-22040	Double Row Footplate, 160mm, TL-HEX
99-56-22060	Double Row Footplate, 180mm, TL-HEX
99-911530***	XCaliber Bone Screw Sterile L150/30mm Thread Ø 6.0-5.6mm
99-911540***	XCaliber Bone Screw Sterile L150/40mm Thread Ø 6.0-5.6mm
99-911550***	XCaliber Bone Screw Sterile L150/50mm Thread Ø 6.0-5.6mm

\*\* Please contact Orthofix for availability.

\*\*\* HA half pins also available.

### TL Dynamization Module - 54-24100

The TrueLok Dynamization Module can be used to dynamize an existing frame towards the end of treatment or at any stage where dynamization of the fracture callus or regenerate is required.



Manufactured by:  
ORTHOFIX Srl  
Via Delle Nazioni 9, 37012 Bussolengo (Verona), Italy  
Telephone +39 045 6719000, Fax +39 045 6719380

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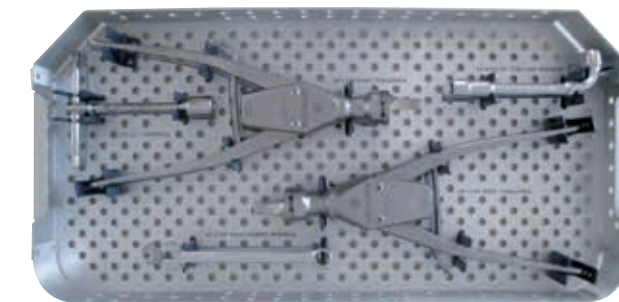
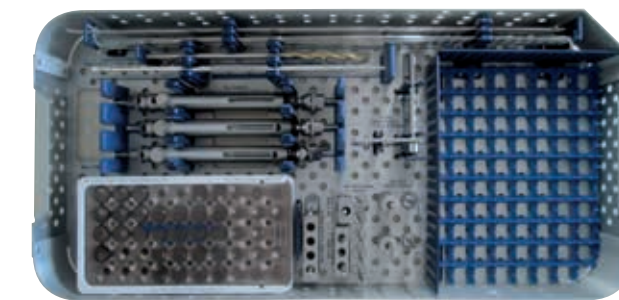
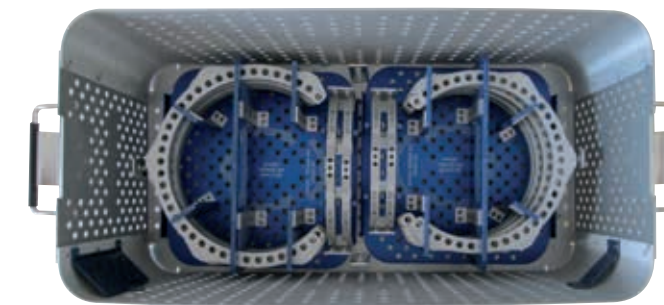
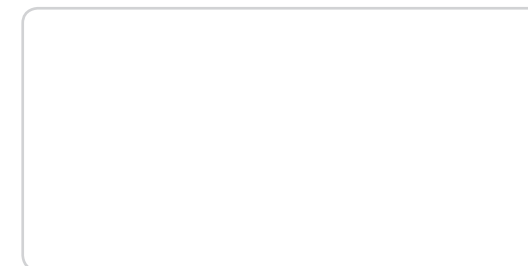


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TL-1401-PL-E0 D 11/17

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### \*References

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TRAUMA



## All That You Need

- Versatile
- All in one tray
- Innovative 5/8 and 3/8 ring design
- Easy conversion into definitive fixation
- Beneficial in periarticular fractures



ORTHOFIX®

ORTHOFIX®



In periarticular fractures the application of minimally invasive wires and circular fixation is one effective option with proven outcomes\*



**BENEFITS**

**Ideal for Trauma**

Simple application on bone in traction

**Easy access for plastic surgery**

5/8 rings can be oriented in all the directions

**Damage control**

When definitive circular fixation is the best option

**Cost saving**

Hexapod struts are used ONLY if and when required

**Time saving**

Hexapod conversion doesn't need a second surgery

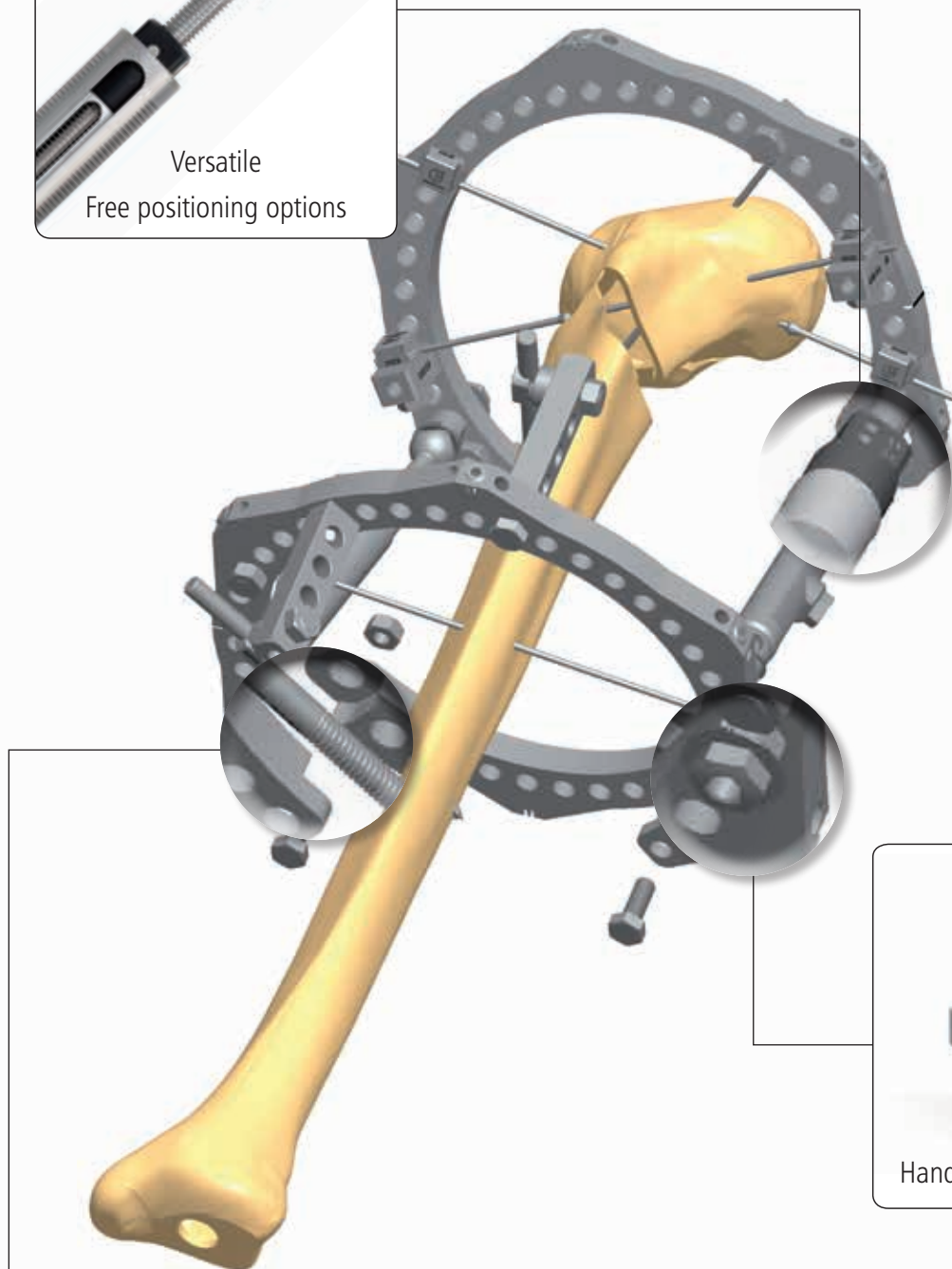


TL-HEX TRUELOX HEXAPOD SYSTEM® trauma combines the advantages of a quick application with the precision of a software guided system when necessary

**Rapid Struts**



Versatile  
Free positioning options



**Speed Nuts**



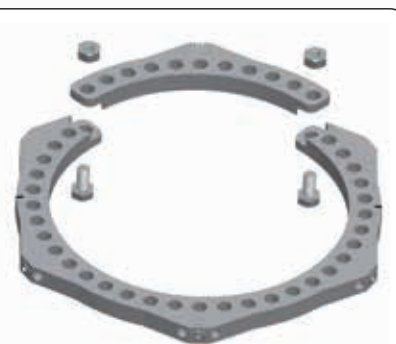
Hand tightening Speed Nuts

**5/8 and 3/8 rings**

New design allows for transforming a 5/8 ring in a full ring away from the operating theatre

5/8 rings can be positioned with the opening on the same side

Easy access to injury site



# 3 Steps from Trauma Frame...

1



Indications: TL-HEX TRUELOX HEXAPOD SYSTEM® Trauma is indicated for temporary and definitive stabilization of closed and open fractures.

1. TL-HEX rings can be applied in any desired position and combination. It is also possible to use two 5/8 rings with the opening on the same side, allowing the surgeons to keep the traction on the patient limb.

Either wires or half pins (or a combination of both) can be used to secure the ring to the limb using insertion techniques as standard circular frames.

Two Rapid Adjust Struts engaged on the ring and partially tightened are suggested for the first stage.

Note: sterile Foot Plates are available for pilon fracture treatment adopting the same technique.

2



Once all the necessary half pins and wires have been inserted, a manual reduction of the fracture can be performed releasing the locking bolt and the speed nuts on the struts. After achieving a satisfactory reduction, all the nuts and bolts must be tightened. Add a third rapid adjust strut for definitive stabilization. Fourth strut can be added at surgeon's discretion.

A final micrometric adjustment and compression can be achieved by turning the plastic bushing of the struts by the desired amount.

