

CONSIDER ALL The ANGLES



Angulation, translation and rotation.

A whole different point of view.

The Sheffield Ring Fixation System is a design achievement that advances the possibilities of limb reconstruction.

- ▲ Unparalleled Stability
- ▲ Rapid Assembly
- ▲ Unlimited Possibilities



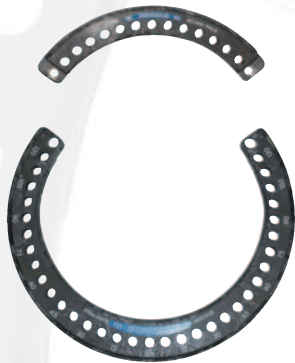
Technology You Can Work With

Should the ring fixation system you choose take years to master? Should building it be painfully time consuming? We don't think so. That's why we developed the Sheffield Ring Fixator.

- ▲ Lightweight, radiolucent carbon fiber construction
- ▲ Central slots allow multiple levels of wire fixation at higher tensions



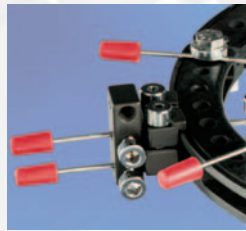
- ▲ Circumferential grooves allow versatile wire placement
- ▲ 2/3 and 1/3 Rings which may be joined as a full ring set to protect soft tissue, or allow wire placement at a wider angle
- ▲ High strength construction with reinforced anterior section to support wire tension



The Single Screw Clamp has a built in template to accommodate soft tissue protectors



The Half Pin Fixation Bolt allows attachment of a screw closer to the ring



The Three-Hole Wire Slider Clamps allow multiple levels of wire placement at any point around the ring



The Two-Hole Securing Pin with Lateral Olive Wire self-locks under tension to save time and space

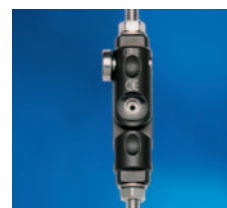


The Wire Fixation Bolt fixes a wire closer to the ring

Ring To Bone



Ring To Ring



Hinge Clamp

- Allows angulation for deformity correction
- Cannulated center for accurate hinge placement



THE POSSIBILITIES

Arthrodesis • Joint Contracture • Arthrodiastasis • Knee Fusion • Knee Distraction

Ring Versatility



The Sheffield Clamp has a strong base to reduce cantilever bending



A Paediatric Sheffield Clamp is also available to be used with 150 mm or smaller diameter rings and in patients not exceeding 100 Pounds (44 kg) of weight



The Magic Cube is a very versatile accessory for fixation of bone screws or wires



The Hinge Clamp allows pins to be placed at variable angles



Slotted Washers provide low profile wire fixation or angled wire fixation when used with Extension Plates or Hinge Clamps

Unparalleled Strength And Stability

We designed the ring to increase the strength of the frame, giving you more stability with fewer frame components. Why stack up four or more rings for single level procedures when our two rings give you all the strength and stability you need? ^{1,2,3,4,5}



In-Plane Compressive Stiffness (N/mm)⁶

Orthofix 2/3 Ring Carbon Fiber	499
Orthofix 2/3 Ring Aluminum	469
Competitor 2/3 Ring-Composite	59
Competitor Full Ring-Composite	255

Ring Versatility



Translation/Rotation Hinge

- Allows a combination of angulation with rotation
- Radiolucent center allows targeting of axis with x-rays

Save On Parts And Labor

With our Steri-Tray System, you have everything you need, complete in one kit. Hinges and clamps are pre-assembled to save you time. There are fewer components than traditional ring systems which saves time and effort. With less inventory for hospitals, it's even more cost-effective.



Ordering Information

81202 SHEFFIELD RING FIXATOR STERILIZATION BOX

Can accommodate:

Part No.	Component Description
80035	ADULT SHEFFIELD CLAMP
85035	PAEDIATRIC SHEFFIELD CLAMP
80074	SINGLE SCREW CLAMP
80076	HALF PIN FIXATION BOLT
10038	SUPPLEMENTARY SCREW HOLDER CLAMP
80031	THREE-HOLE WIRE CLAMP SLIDER UNIT
80025	TWO-HOLE SECURING PIN
W2200	F.F.S. LARGE WASHERS (PACK OF 4)
80123	X-WIRE WITH CENTRAL OLIVE, 2x450 mm
80112	X-WIRE WITH LATERAL OLIVE, 2x400 mm
80124	X-WIRE WITHOUT OLIVE, 2x450 mm
80200	K-WIRE COVER (PACK OF 20)
80041	INDEPENDENT WIRE CLAMP
81023	SLOTTED WASHER (PACK OF 10)
80047	REDUCTION UNIT
80042	50 mm POST
80044	100 mm POST
81036	80 mm THREADED BARS (PACK OF 3)
81037	120 mm THREADED BARS (PACK OF 3)
81038	160 mm THREADED BARS (PACK OF 3)
81039	200 mm THREADED BARS (PACK OF 3)
81048	300 mm THREADED BARS (PACK OF 3)
81049	400 mm THREADED BARS (PACK OF 3)
81025	COUNTER NUT
91039	SUPPLEMENTARY SCREW HOLDER BAR RADIOLUCENT, 6x150 mm
81022	NUTS AND WASHERS (PACK OF 20)
81024	25 mm BOLT (PACK OF 10)
81043	SUPPLEMENTARY SCREW HOLDER BAR RADIOLUCENT, 6x300 mm
80077	WIRE FIXATION BOLT
81020	EXTENSION PLATE
50008	COMPRESSION DISTRACTION CLICKER UNIT, STD
50009	COMPRESSION DISTRACTION CLICKER UNIT, LONG
81010	TRANSLATION/ROTATION HINGE
81015	HINGE CLAMP
18001	WIRE TENSIONER
W1003	WIRE CUTTER
18002	WIRE GUIDE
10017	ALLEN WRENCH 6 mm
30017	ALLEN WRENCH 5 mm
10012	ALLEN WRENCH 3 mm
81031	OPEN END WRENCH, 10 mm
81030	SPEED WRENCH, 10 mm
91017	UNIVERSAL ALLEN WRENCH
81008	RING LOCKING SCREW
81018	MAGIC CUBE
81051	2/3 RADIOLUCENT RING, 125 mm DIAMETER
81125P	1/3 RADIOLUCENT RING, 125 mm DIAMETER
81150	2/3 RADIOLUCENT RING, 150 mm DIAMETER
81150P	1/3 RADIOLUCENT RING, 150 mm DIAMETER
81175	2/3 RADIOLUCENT RING, 175 mm DIAMETER
81175P	1/3 RADIOLUCENT RING, 175 mm DIAMETER
81190	2/3 RADIOLUCENT RING, 190 mm DIAMETER
81190P	1/3 RADIOLUCENT RING, 190 mm DIAMETER
81006A	2/3 RING, 220 mm DIAMETER
81007	1/3 RING, 220 mm DIAMETER
81202	SHEFFIELD RING FIXATOR STERILIZATION BOX, EMPTY



Wire Guide

For accurate wire placement

Wire Tensioning Device

With graduated scale

Speed Wrench

With ratcheting action for quicker assembly

**The Sheffield Ring Fixation System.
Consider it for yourself.**

Your Distributor is:

References:

1. Yang L, Saleh Nayagam S. The effects of different wire and screw combinations on the stiffness of a hybrid external fixator. Proceedings of the Institution of Mechanical Engineers 2000; 214 (4): 669-676. 2. Maltrise Orthopédique, December 2000; 99: 1-8. 3. Saleh M. The Sheffield Hybrid Fixator: Design Considerations and Clinical Experience. Orthopaedic Products News 1998; 33-35. 4. Yang L, Nayagam S, Saleh M. Stiffness Characteristics and Inter-Fragmentary Displacements with Different Hybrid External Fixators. Clin. Biomech. 2000; 18: 166-172. 5. Narayan B., Harris C., Nayagam S. Treatment of high-energy tibial plateau fractures. Strat Trauma Limb Recon 2006; 1: 18-28. 6. Data on file, Orthofix Inc.