

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



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

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

Versatility



The Sheffield Clamp has a strong base to reduce cantilever bending



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



The Hinge Clamp allows pins to be placed at variable angles



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}



In-Plane Compressive Stiffness (N/mm)

Orthofix 2/3 Ring Carbon Fiber	499
Orthofix 2/3 Ring Aluminum	469
Smith & Nephew 2/3 Ring-Composite	59
Smith & Nephew Full Ring-Composite	255

g Versatility

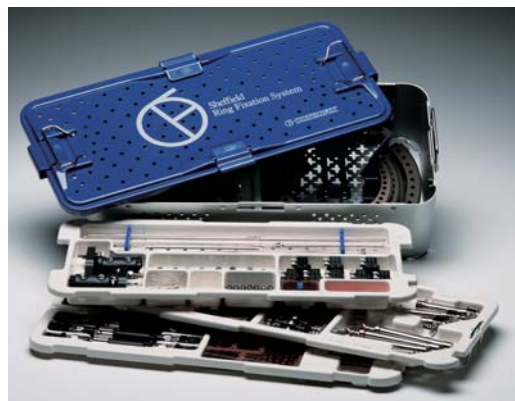


Translation/Rotation Hinge

- 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	SHEFFIELD CLAMP
80074	SINGLE SCREW CLAMP
10038	SUPPLEMENTARY SCREW CLAMP
80031	THREE HOLE SLIDER WIRE CLAMP
80025	TWO HOLE K-WIRE SECURING PIN
W2200	OLIVE WASHER (4 EACH)
80123	CENTRAL OLIVE K-WIRE, 2X450
80112	LATERAL OLIVE K-WIRE, 2X400
80124	K-WIRE, 2X450
80200	K-WIRE COVER (20 EACH)
80041	INDEPENDENT WIRE CLAMP
81023	SLOTTED WASHER (10 EACH)
80047	REDUCTION UNITS
80042	50MM SECURING POST
80044	100MM SECURING POST
81036	80MM THREADED BARS (3 EACH)
81037	120MM THREADED BARS (3 EACH)
81038	160MM THREADED BARS (3 EACH)
81039	200MM THREADED BARS (3 EACH)
81048	300MM THREADED BARS (3 EACH)
81049	400MM THREADED BARS (3 EACH)
81025	COUNTER NUTS
91039	RADIOLUCENT BAR, 6MM X 150MM
81022	NUTS AND WASHERS, (20 EACH)
81024	25 MM BOLT (10 EACH)
81043	RADIOLUCENT BAR, 6MM X 300MM
81020	EXTENSION PLATE
50008	COMPRESSION DISTRACTION, CLICKER, STD
50009	COMPRESSION DISTRACTION, CLICKER, LONG
81010	TRANSLATION/ROTATION HINGE
81015	HINGE CLAMP
18001	WIRE TENSIONING DEVICE
W1003	WIRE CUTTER
18002	K-WIRE GUIDE
10017	6MM POLYHEDRAL ALLEN WRENCH
30017	5MM POLYHEDRAL ALLEN WRENCH
10012	3MM POLYHEDRAL ALLEN WRENCH
81031	OPEN END WRENCH, 10MM
81030	SPEED WRENCH, 10MM
91017	UNIVERSAL ALLEN WRENCH
81008	RING LOCKING SCREW
330567	RADIOLUCENT 2/3 RING, 150MM DIAMETER
330568	RADIOLUCENT 1/3 RING, 150MM DIAMETER
330569	RADIOLUCENT 2/3 RING, 175MM DIAMETER
330570	RADIOLUCENT 1/3 RING, 175MM DIAMETER
330571	RADIOLUCENT 2/3 RING, 190MM DIAMETER
330572	RADIOLUCENT 1/3 RING, 190MM DIAMETER
81006A	2/3 RING, 220MM DIAMETER
81007	1/3 RING, 220MM DIAMETER
81202	SHEFFIELD RING FIXATOR STERILIZATION BOX, EMPTY

Wire Guide

For accurate wire placement



Wire Tensioning Device

With graduated calibration scale



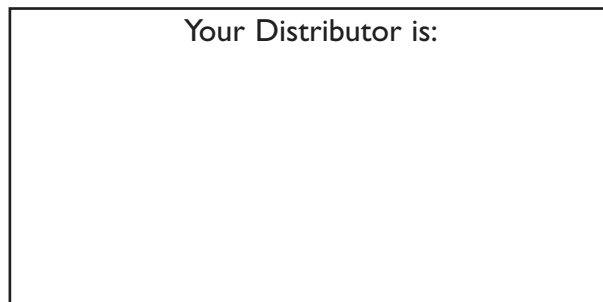
Speed Wrench

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. Data on file, Orthofix Inc.