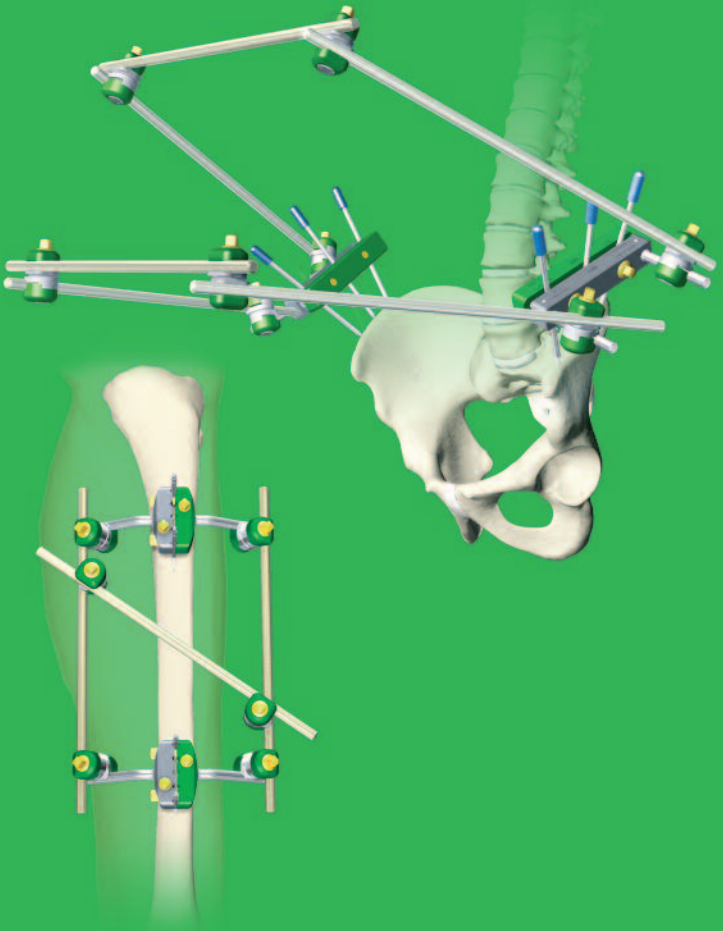


stryker®

Osteosynthesis

Hoffmann II MRI External Fixation

Setting the standard in
acute trauma fixation

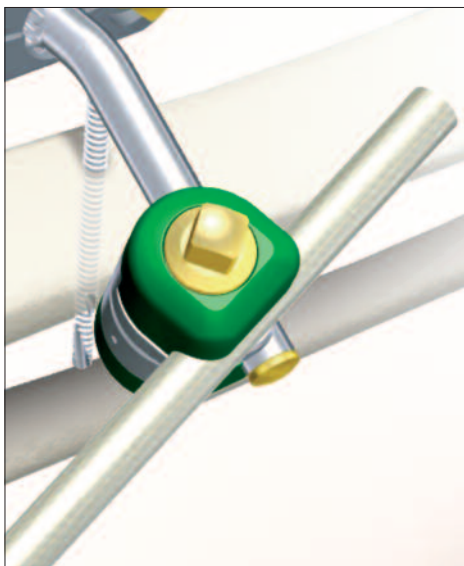


Hoffmann II MRI

External Fixation

Stryker continues 60 years of innovation in external fixation by introducing a completely new system specifically designed for use in the MRI environment:¹

The Hoffmann II MRI External Fixation System has been designed in compliance with ASTM Designation F2503-05 and is intended for use in MRI environments up to 3.0 Tesla and is therefore rated MRI conditional. The entire system was **designed from the ground up for use in the MRI environment**. The unique **systemic approach** of this design focuses in on the two key areas of concern in MRI use: frame displacement due to magnetic (mechanical) forces, and frame heating due to induced electrical currents (thermal forces):

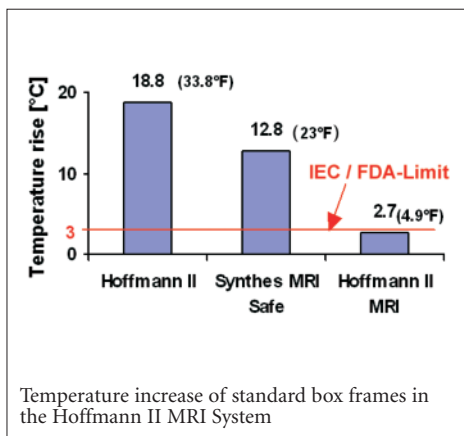


Addressing the **Mechanical** issues

Non-ferromagnetic materials are used to construct all the metallic components:

- Clamps and couplings are made from a combination of **aluminum and austenitic steel**²
- Posts and Apex Half Pins are made from austenitic stainless steel

Since these components are **non-magnetic**, the magnetic fields in the MRI environment will not cause frame displacement that can pose a risk to the patient or scanner



Addressing the Thermal issues:

Carbon Fiber rods are coated with Vectran:

- Electrically insulating
- Radiolucent
- Light weight
- Yellow color with easy to read size etchings

Whole frame testing indicates these rods insulate against the induced electrical currents in the MRI and **significantly reduce half pin heating.**³

Of course the outstanding performance of the original Hoffmann II has been retained in the **Hoffmann II MRI External Fixation System:**

- **Snap fit connections** allow rapid frame construction. Also, additional clamps can be added at any time.
- **Single point of tightening** for rapid and easy frame construction.
- **Independent, multiplanar pin placement** allows flexibility in pin placement and very stable frame construction.
- **Small, lightweight clamps** for lower profile frames, better visualization and access to the fracture site, as well as increased patient comfort.
- **Color coded components** for quick and easy identification.
- **Full range of rod lengths, clamp configurations, and pin sizes** to accommodate both upper and lower extremities and the pelvis.
- **Full System Compatibility** for quick bridging to the smaller Hoffmann II Compact MRI system.

Hoffmann II MRI External Fixation System.

Raising the bar once again.

¹ The first Hoffmann frame was introduced by Dr. Raoul Hoffmann in 1938. Asche, Roth, Schroeder. The External Fixator; Standard indications, operating instructions and examples of frame configurations. Einhorn-Press Verlag 2002

² Austenitic stainless steels are non-magnetic, non heat-treatable steels that are usually annealed and cold worked

³ John Nyenhuis, PhD; Professor of Electrical and Computer Engineering, Purdue University. Magnetic Resonance Imaging Testing of External Fixation Frames: Stryker Hoffmann II MRI vs. Synthes® MRI Safe. Stryker White Paper 2005 Lit Number LSA55

Joint Replacements

Trauma, Extremities & Deformities

Cranio-maxillofacial

Spine

Biologics

Surgical Products

Neuro & ENT

Interventional Pain

Navigation

Endoscopy

Communications

Imaging

Patient Handling Equipment

EMS Equipment

Stryker Trauma AG
Bohnackerweg 1
CH-2545 Selzach -Switzerland
www.osteosynthesis.stryker.com

The information presented in this brochure is intended to demonstrate a Stryker product. Always refer to the package insert, product label and/or user instructions before using any Stryker product. Surgeons must always rely on their own clinical judgment when deciding which products and techniques to use with their patients. Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Stryker Corporation or its subsidiary owns the registered trademark: Stryker
Stryker Corporation or its subsidiary owns, uses or has applied for the following trademarks:
Hoffmann II Compact, Apex

Literature Number: 5075-1-606
LOT B1508

Copyright © 2008 Stryker

REF NO. 
5075-1-606

LOT 
B1508