

Extension unit

with MIS-Hip-Device



Enhancing outcomes for
patients and their caregivers:

Hill-Rom

Free space provides a new dimension

Trumpf Medical developed a solution for orthopedists and traumatologists that sets new standards. At its heart is the innovative MIS-Hip-Device, designed for minimally invasive procedures such as hip arthroscopy and hip TEPs. Additional components include modular parts for osteosynthesis with flexibility during surgery and patient positioning.

Key benefits at a glance

- **Easy to Use**

The modular extension can be easily attached to the operating table, thereby, allowing greater efficiency in patient positioning

- **Flexible adjustment options**

The extension unit including the MIS-Hip-Device offers optimal freedom of movement and a multitude of adjustment angles

- **Optimal patient safety**

During the development process of the extension unit, important components such as the extension shoe were optimized for the safety and protection of the patient

- **Exceptional X-ray properties**

The design principle of the extension package and the optional use of carbon fiber elements provides excellent support for intraoperative diagnosis with the C-arm

- **Streamlined design**

The ergonomic design, combining stainless steel and carbon fiber components, ensures that the whole extension unit and the MIS-Hip-Device can be freely attached to the operating table without the need for floor support



MIS-Hip-Device with carbon fiber extension unit and TruSystem™ 7000 OR Table



Universal use of the MIS-Hip-Device due to flexible adjustment options



Extension with transfer leg section and trolley facilitates flexible patient transport

High degree of operating comfort

The user-friendliness of the extension unit and its modular components allow it to be mounted quickly and securely to the Trumpf Medical™ operating table. The leg sections required for induction can be easily removed in the OR or mounted for the final positioning of the lower extremities independently of any extension units. When working with the MIS-Hip-Device, the flexible three-dimensional adjustment of the foot is carried out with a cardan joint supported by gas springs, enabling personnel to easily and conveniently position the foot with just one hand.

The spindle traction mechanism assists the surgeon with fine adjustment for accurate positioning of the extremity. The extension is pretensioned with the aid of a rapid-action lock. The variable traction force is increased directly by an easy-to-operate spindle mechanism. Resetting is simple and takes place without any loss of position, even in complex fractures cases. All operating elements are highlighted in blue, making them easily identifiable and user-friendly.

Flexible adjustment options

The extension unit with the MIS-Hip-Device is a modular system, allowing individual and optimal adjustment for the type of procedure and the individual patient.

The broad range of possible individual applications is indicated by the different extension struts. These can be attached in different ways to the various coupling points, reducing the structure to the minimum possible. The stainless steel extension struts have a double joint to allow comfortable positioning of the upper and lower extremities.

The MIS-Hip-Device allows three-dimensional adjustment of the leg. The leg can be extended, abducted or adducted up to 45°, and bent or rotated at the knee joint during operations. In addition, all of the adjustment options can be combined as required.



The extension unit allows 3D imaging of the leg and pelvis area

Optimum patient safety

The innovative extension shoe safely and securely encloses the bulk of the lower leg and provides a strong grip at the ankle joint, even for high traction forces.

High-quality padding of the counter traction post provides effective prevention of nerve compressions and decubital ulcers around the gonads.

All components of the extension unit are approved for a patient weight of up to 353 lbs/160 kg.

Intraoperative diagnosis

Excellent radiolucence is achieved from pelvis to foot due to the streamlined design and intelligent use of carbon fiber elements and the arrangement of the coupling points, some of which have partially detachable joints. The extension struts are available in stainless steel with a double joint or in carbon fiber with single joint.

The complete unit does not require a support foot in any configuration. This ensures trouble-free access on the foot side with the C-arm.

Streamlined design

The streamlined design offers the user clear advantages during patient positioning, when using imaging devices in pre-, intra- and postoperative patient management. The compact structure of the extension unit allows for use in small ORs.



The extension unit does not require a support foot in any configuration

Trumpf Medical™ modularity and compatibility

The extension unit with MIS-Hip-Device by Trumpf Medical can be used with the TruSystem™ and JUPITER™* operating table systems. Individual components of extension units by Trumpf Medical are compatible, and can be used on both systems. With this modularity and the compatibility of products between different models, Trumpf Medical is helping to secure your investment for the future.

* If used with the mobile column JUPITER™ SM, update of the operating table column is necessary. Mounting on the mobile operating tables by Trumpf Medical: on request.



More about the extension unit at
www.trumpfmedical.com/en/extension-unit

Everything is possible



MIS trolley: for effortless attachment and detachment and safe transport of the MIS-Hip-Device



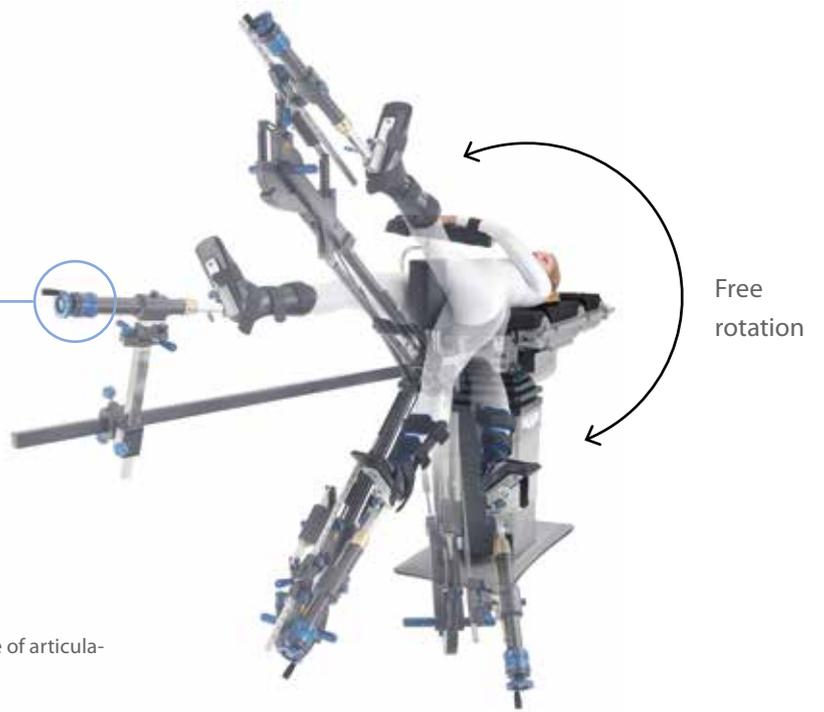
Extension trolley: easy means of transport for efficient preparation and attachment and detachment of the extension unit in the OR



Flexible positioning: for hip arthroscopy positions



Intraoperative rotation of the leg: for resetting of proximal femur fractures or minimally invasive procedures at the hip joint



Spindle traction mechanism: joint rotation with precise degree of articulation for accurate adjustment of the leg



Spindle traction mechanism: easy to use, including when treating lower arm fractures



Hip arthroscopy: adjustment of the leg for procedures in the peripheral compartment



PFN implantation: a high degree of freedom during axial radioscopy



Lower leg mechanism: enables correct positioning and optimal radioscopy when inserting a tibia nail

Hill-Rom is a leading global medical technology company with more than 10,000 employees in over 100 countries. We partner with health care providers by focusing on patient care solutions that improve clinical and economic outcomes in five core areas: **Advancing Mobility, Wound Care and Prevention, Clinical Workflow, Surgical Safety and Efficiency, and Respiratory Health.** Hill-Rom people, programs, and product brands work towards one mission: **Every day, around the world, we enhance outcomes for our patients and their caregivers.**

Trumpf Medical, part of Hill-Rom, is distinguished by high-quality German engineering standards and offers innovative products to improve efficiency and safety in the OR, ICU, and in other clinical environments throughout the care sector. With our customers' requirements as our benchmark and innovation as the foundation of our success, Trumpf Medical delivers total solutions to fit your clinical care needs.

This document is destined solely for use by healthcare professionals. Medical devices shown in this brochure are intended for use with patients in departments of healthcare establishments.

These products are regulated health care products which, where required by applicable regulations, bear a CE mark. Hill-Rom recommends you carefully read the detailed instructions for safe and proper use included in the documentation accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices.

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