



**CONDOR<sup>®</sup> MedTec**  
EXPAND YOUR POSSIBILITIES

# Precision starts with position

Innovative assistance systems for the OR



Orthopaedics  
and Trauma  
Surgery



Spine  
Surgery



Condor<sup>®</sup>  
Goldline



Condor<sup>®</sup>  
Patient  
Positioning



Condor<sup>®</sup>  
Accessories



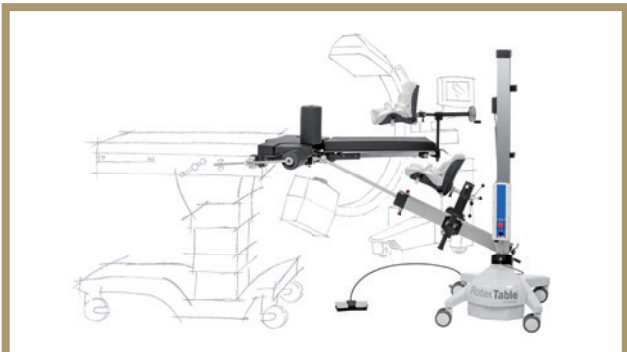
made in  
Germany

Our portfolio  
for orthopaedics, trauma surgery and spine surgery

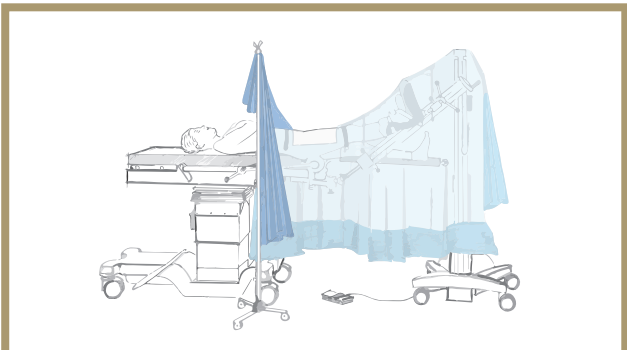
Patient Positioning Systems:



Extension System (ES).....page 6



RotexTable® ..... page 10



Drape for RotexTable® .....page 14



RotexShoe.....page 16



Knee Positioner TKR..... page 20

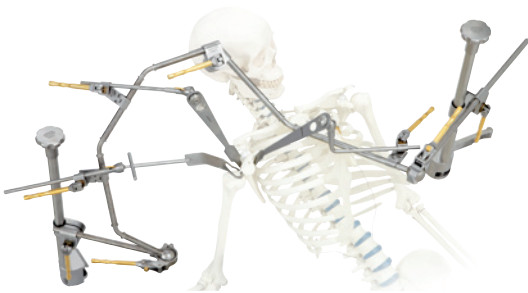
## GoldLine® Retractor Systems:



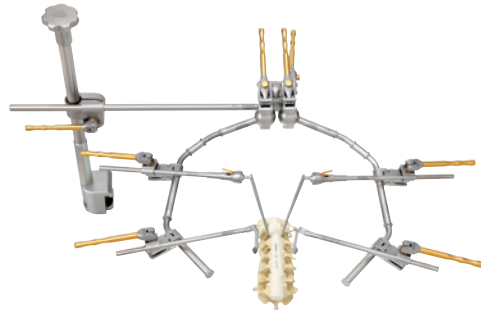
**Hip Endoprosthesis**.....page 24



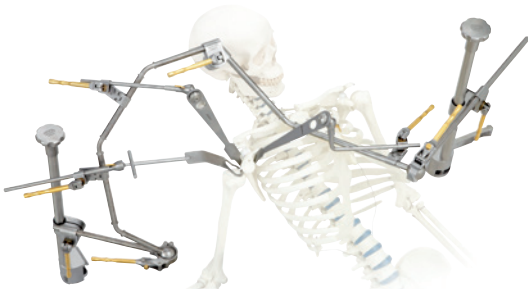
**Knee Endoprosthesis**.....page 26



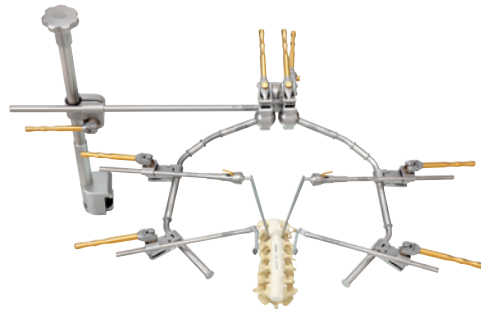
**Shoulder Replacement**.....page 27



**Cervical Spine**.....page 28



**Thoracic Spine**.....page 29



**Lumbar Spine**.....page 30



## “Value creation begins with appreciation.”

Since 1997, collaborative partnerships have been our top priority. We are convinced that this is the only way to create sustainable added value.

The Condor® MedTec GmbH has been synonymous with high-quality medical precision technology since 1997.

We design, develop, and manufacture application-specific surgical devices – 100 percent “Made in Germany.” Our technologies are more than just surgical instruments. They meet the highest safety standards, improve patient care, and streamline surgical procedures. For us,

patient safety is always the top priority. Our patented products are “one-stop solutions” manufactured at our Salzkotten site using premium, durable materials.

Condor® Custom Solutions is the authorized and certified provider for repairs and service.







Condor® Patient Positioning  
for safe and efficient workflows in the OR

# Patient Positioning Systems

## for orthopaedics and trauma surgery

In surgical operations, the optimal positioning of the patient is of utmost importance. Additionally, during specific procedures, the surgical team may need to adopt unconventional positions to provide the surgeon with the best possible view of the surgical field.

To address these challenges, Condor® MedTec GmbH has developed suitable, patented positioning aids that are not only space-saving and secure but also highly flexible and individually tailored to the specific situation.



**"In the arthroscopic treatment of the hip, the RotexTable® has become an ideal standard for me, which I have now established at my three operating sites. In combination with the Extension System, the patient is quickly and easily positioned in extension and **allows ideal conditions for intraoperative X-ray control.**"**

*Dr. Wolfram Steens*

*ONZ Orthopädisch-Neurologisches Zentrum  
Datteln, Recklinghausen*



# Condor® ES: Convert any standard OR table into a fully functional extension table in just a few steps



**Savings on investment costs thanks to the uncomplicated connection to existing operating tables**

**Process-optimized surgery through intra-operative X-ray option for greater efficiency and cost-effectiveness**

**Flexible modular system for diverse surgical requirements**

**Safe working conditions thanks to increased freedom of movement for the surgical team**

**Premium quality "Made in Germany"**



Condor® ES

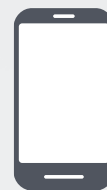
ES

Hip Endo-  
prothetics

Hip  
Arthroscopy

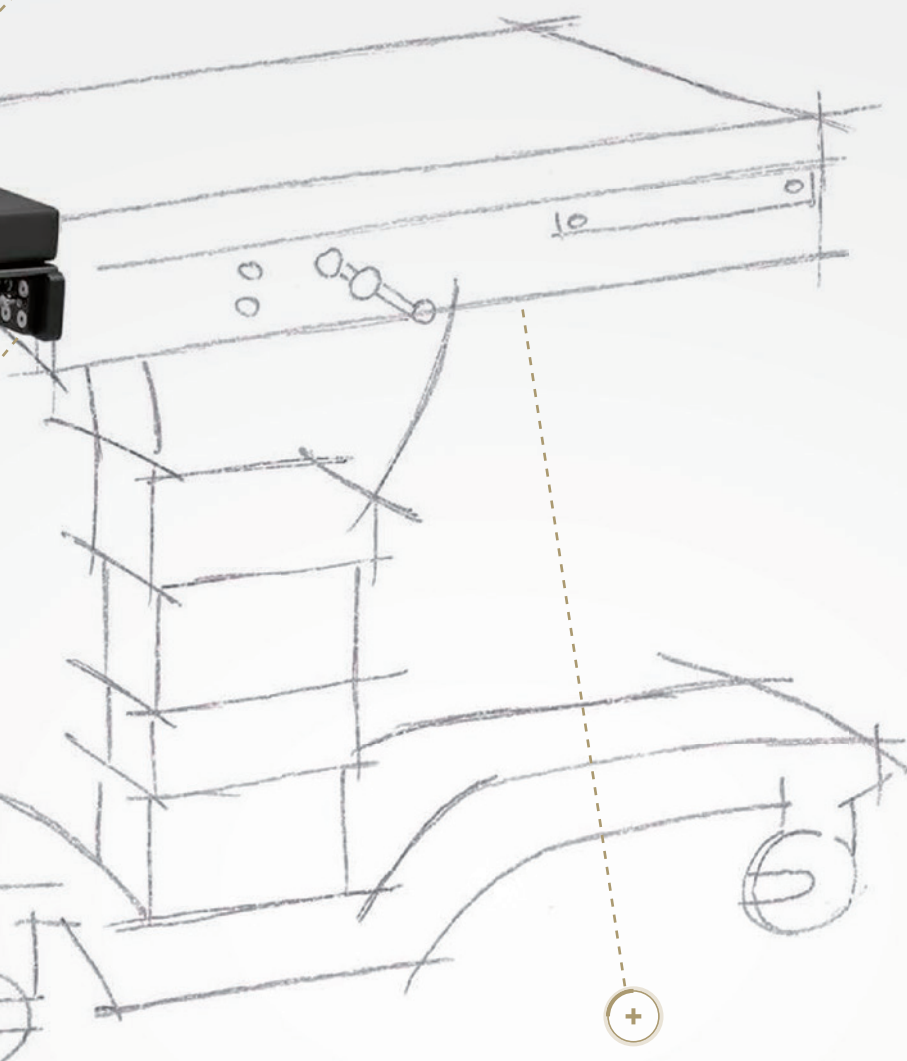
Fracture  
Treatment

Pelvis  
Surgery



Product and application videos are  
available on our ES website

+ Connecting plate out of carbon



+  
Standard  
operating table



Including accessory trolley  
for convenient storage  
and handling



## Extension System ES



### Your benefits:

Attachment  
to all standard  
OR tables

Carbon extension  
plate enables  
optimal  
intra-operative  
pelvic imaging

Reduced investment  
costs thanks to a  
simple attachment  
mechanism on the  
standard operating  
table

Space-saving and  
convenient  
storage of all  
components  
within the  
accessory trolley

Supports patient  
weights of up to  
220 kg, depending  
on the weight limits  
of the operating  
table

Easy handling  
by only  
one person

Integrated traction  
device simplifies  
patient  
positioning

For ease of use,  
leg plates can  
remain attached  
to the operating  
table during  
surgery

Reduced  
OR changeover  
times

Fast and secure  
positioning  
of the patient

#### Combined use possible with

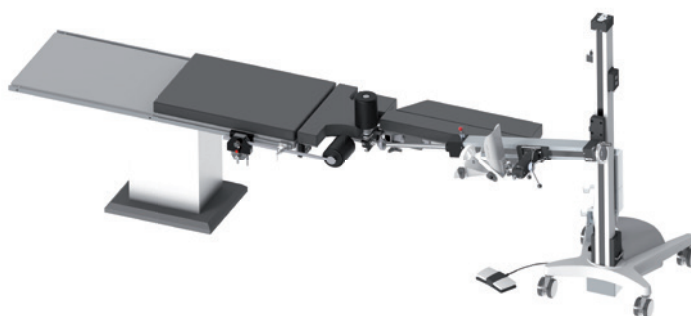
Standard operating  
tables from  
diverse manufacturers  
Condor RotexTable®  
Condor® RotexShoe

#### Process-optimized surgery

Tailored to meet the demands of the modern OR, the Condor® ES embodies process-optimized surgery at a premium level.

Surgeons and their teams benefit from optimal working conditions, while the ES seamlessly unites quality and efficiency.

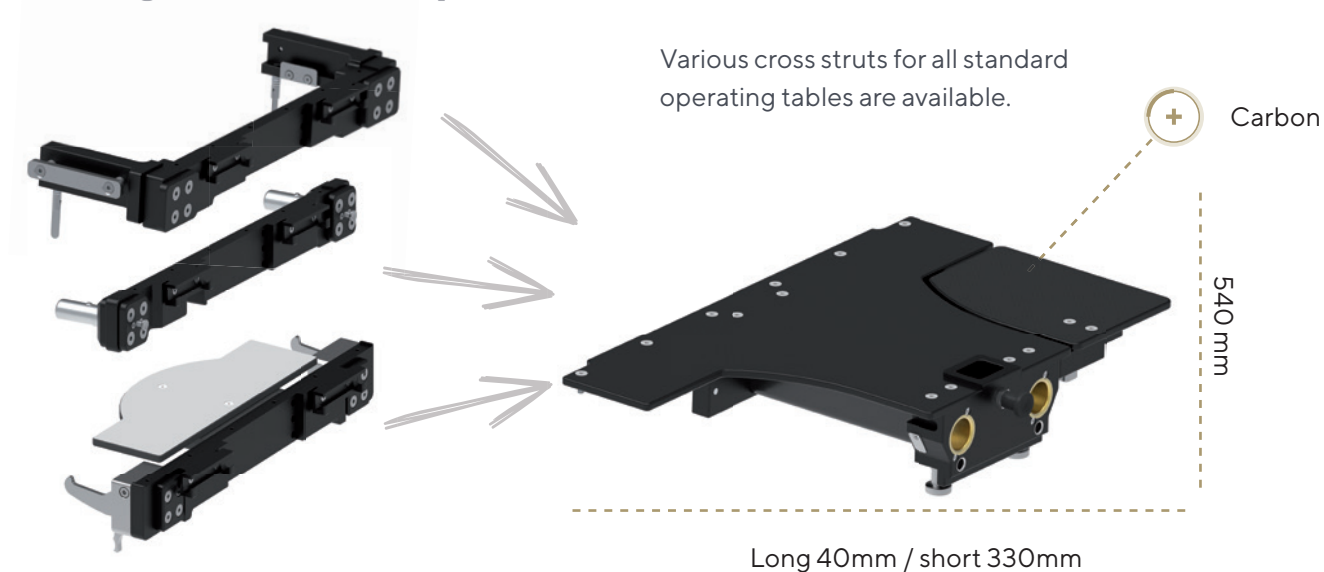
**The ES is the perfect complement to the Condor RotexTable®.**





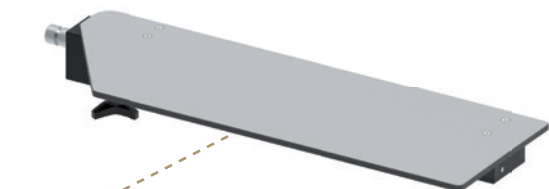


## Configuration examples:



## Different leg plates:

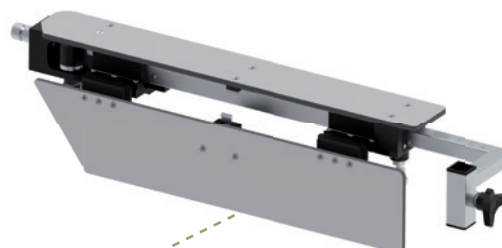
More options: Different leg plates for various challenges and applications



Leg plate, swivelling,  
**without support for traction fixture**

**Ideal for**

· **Hip arthroplasty**



Leg plate with support for traction  
fixture, removable

**Ideal for**

· **Hip arthroscopy**

· **Fracture treatment**

(both legs in traction device)



Leg plate with two support for  
traction fixture, removable

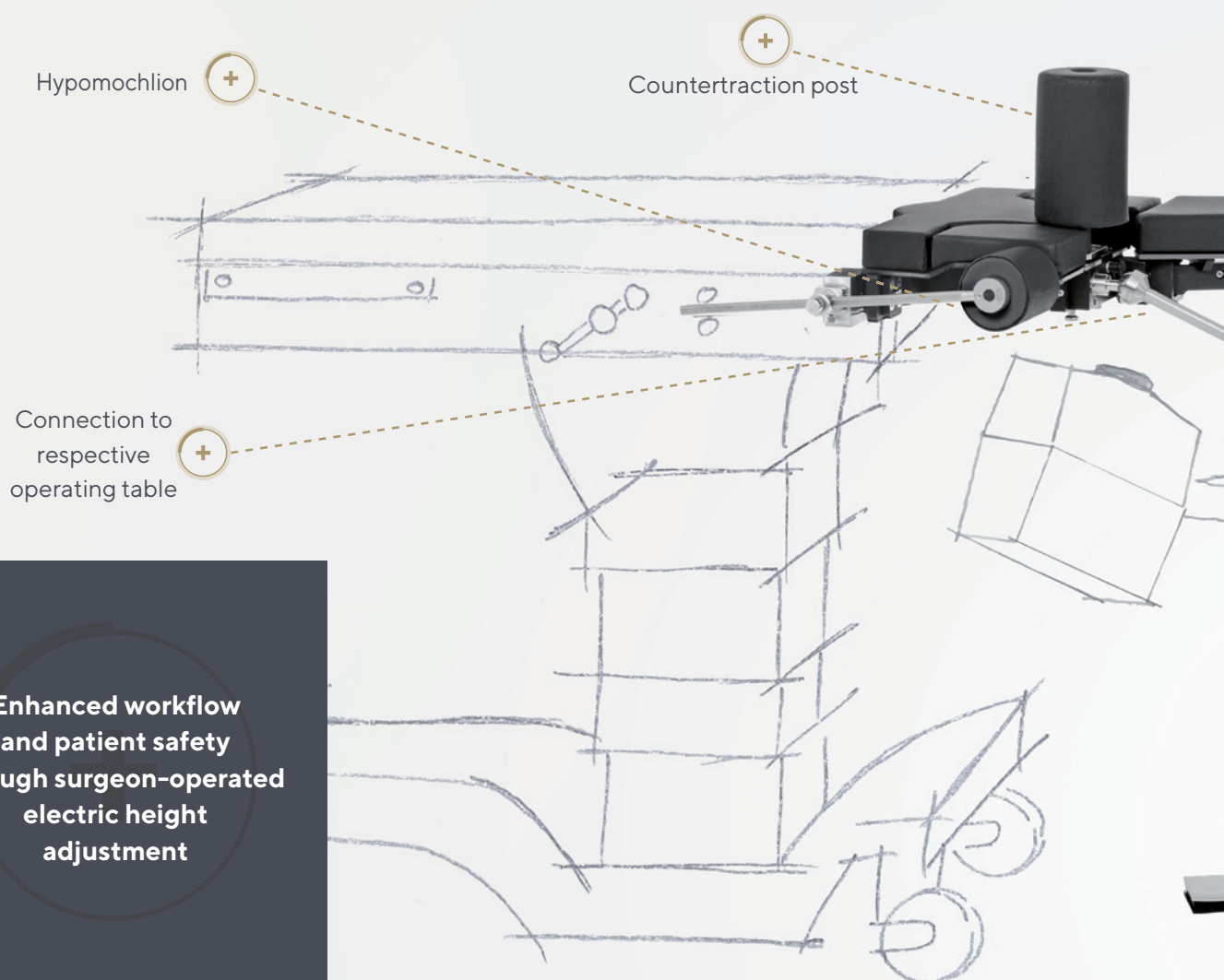
**Ideal for**

· **Hip arthroscopy**

· **Fracture treatment**



# Condor RotexTable®: The first electrically operated positioning aid for orthopaedists and trauma surgeons



**Enhanced workflow  
and patient safety  
through surgeon-operated  
electric height  
adjustment**

**Effortless setup:  
Ready for use  
in under two  
minutes**

**Flexible positions:  
Rotations in  
8° steps**

**Space-saving:  
Minimal storage  
space of only  
90 cm<sup>2</sup>**

**Cost-efficient  
thanks to saving  
of up to 50%  
material costs**



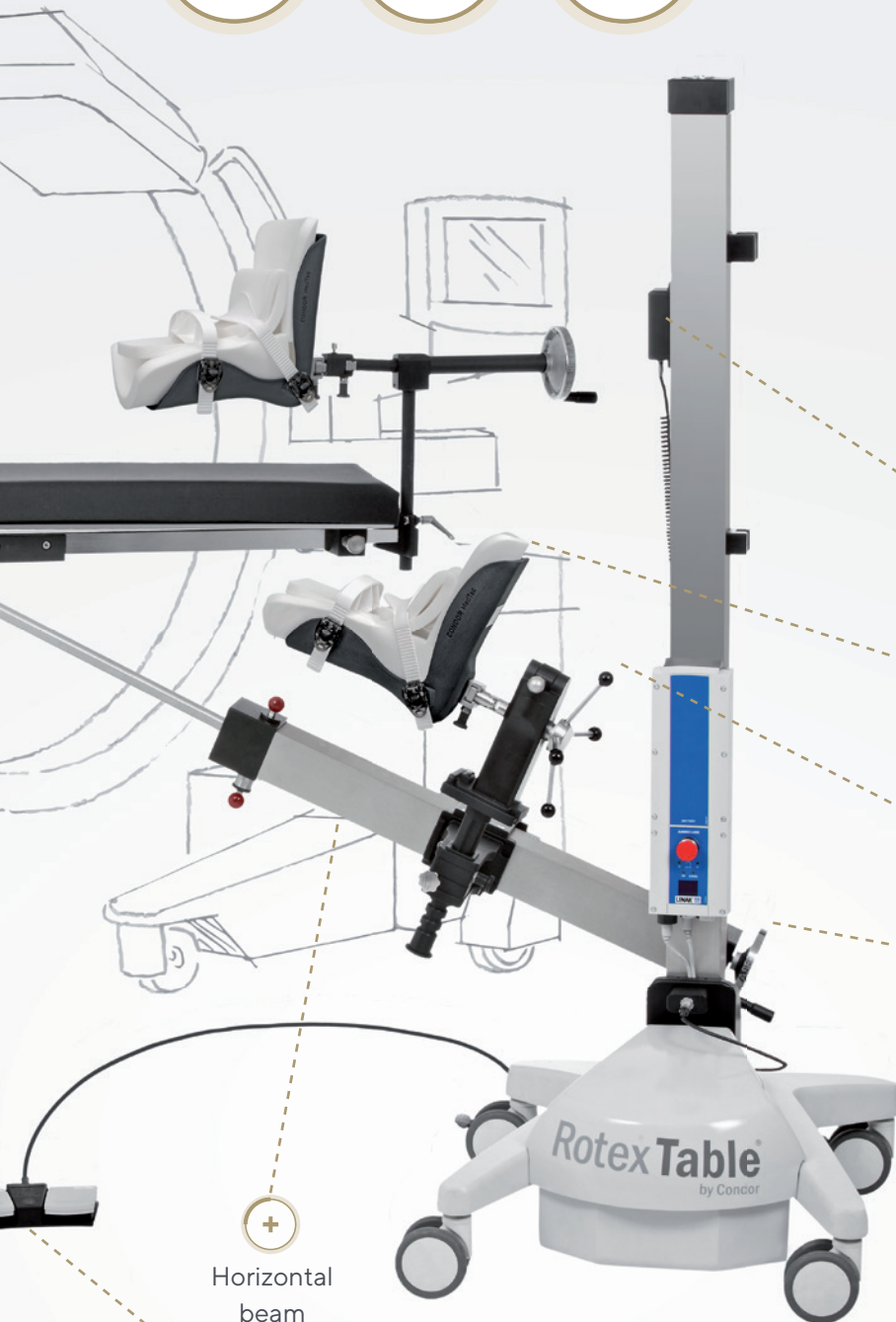
Hip Endo-  
prothetics

Hip  
Arthroscopy

Trauma  
Surgery



Product and application videos are  
available on our RotexTable® website



Manual switch  
for electrical height  
adjustment

Condor RotexShoe®  
traction boot

Internal and external  
rotation in 8° steps

Handwheel for setting  
individual starting position  
and traction / extension

Horizontal  
beam

Foot switch for  
electrical  
height adjustment



# Condor RotexTable®



## Your benefits:

Independent rotation and flexion by the surgeon

Precise situs adjustment through electric lift control: operable by hand or foot switch

intra-operative X-ray monitoring without visual obstruction

Reliable surgical planning with only one assistant possible

Built-in safety mechanism prevents unintended lowering during extension

Reduces the initial investment

Enhances surgical training quality when used with the Condor GoldLine® for hip procedures

**Combined use possible with**  
Condor® Extension System (ES)  
Condor® RotexShoe  
Condor GoldLine® Hip endoprosthetics

The combined use with the Condor® RotexShoe allows the surgeon to maintain sterile control over stability and mobility.



**"The idea of optimizing operating theatre procedures, working more ergonomically and, above all, increasing patient safety, still drives me today.**

The Condor RotexTable® in combination with the GoldLine® system enables me to achieve exactly this standard. **The unique feature of the electric height adjustment of the positioning unit via foot pedal helps to work more quickly** and the positioning staff can devote themselves to other tasks. The rotation of the leg with fine adjustment mechanism, which can be set by the surgeon himself, as well as the tactile feedback of the tissue tension, make the operation even safer. In addition, an integrated safety mechanism prevents the leg from being lowered under pre-tension so that nerve-stretching damage can be avoided. The RotexShoe, whose design features lead to an optimized anatomical connection with the patient's foot while improving hygiene standards, is an important component of the concept."

Andreas Ottersbach, MD, Clinic Manager, Head Physician of the Clinic for Orthopaedics, Spitalzentrum Oberwallis, Brig (Switzerland)



## Femur Lift

**Intraoperative adjustment of the hypomochlion ensures improved visibility as well as simple, quick, and stable patient positioning.**

### Precise adjustment:

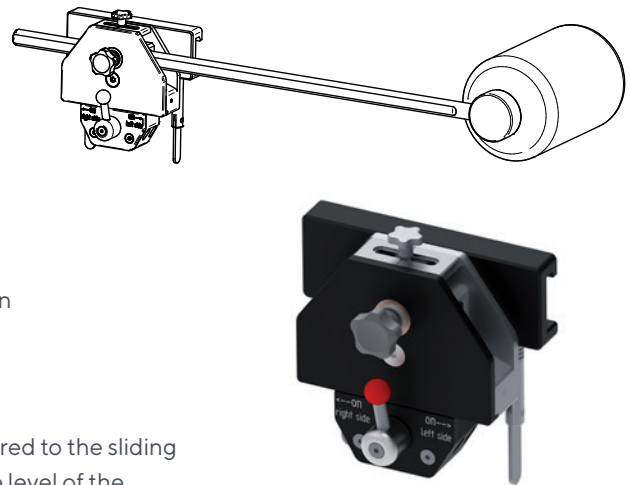
The femur is not immediately elevated during acetabular preparation but rather during shaft processing. This allows for better access to the acetabulum and subsequently results in an improved visualization of the femur during shaft preparation.

### Functionality of the Femur Lift:

- **Attachment to the operating table:** The Femur Lift is secured to the sliding rail of the operating table, aligning the hypomochlion at the level of the countertraction post.
- **Positioning of the hypomochlion:** The hypomochlion is placed beneath the thigh without direct contact with the skin.
- **Easy elevation:** After acetabular implantation, the surgeon pulls the hypomochlion to the desired height. It is sterily covered and finely adjustable. The maximum height of the Femur Lift can be limited pre-operatively and is adaptable for each operation.

### Safety and handling:

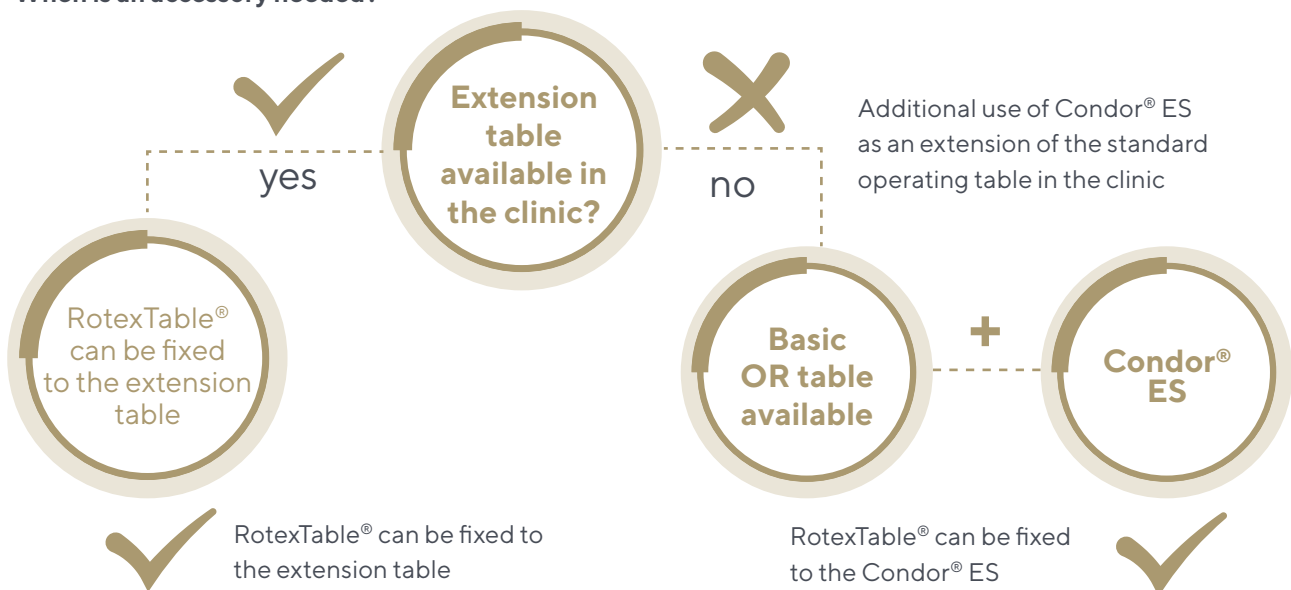
- **Prevention of accidental release:** The system prevents unintentional detachment of the locking mechanism.
- **Easy lowering:** Slight lifting of the hypomochlion and operation of the directional head allow a gentle lowering of the hypomochlion.



## Requirements for the use of Condor RotexTable®:

A basic OR table does not meet the necessary requirements on its own.

**When is an accessory needed?**



RotexTable® can either be fixed to the existing extension table or requires the additional use of Condor® ES to be connected to a standard operating table.





## Drape for the Condor RotexTable®: Simple and efficient assurance of sterility – without compromise



Highest quality and  
tear resistance  
ensure safe  
processes, especially  
during dynamic  
patient positioning

Safe use of the  
RotexTable®, as the  
risk of drapes  
slipping or  
becoming trapped  
is reduced

Flexibility in various  
surgical situations,  
as no additional  
drapes are required  
for different table  
positions

Variable in size  
by gradually  
extending the  
drape



Hip Endo-  
prosthetics

Hip  
Arthroscopy

Trauma  
Surgery



Product and application videos are available on our accessories website



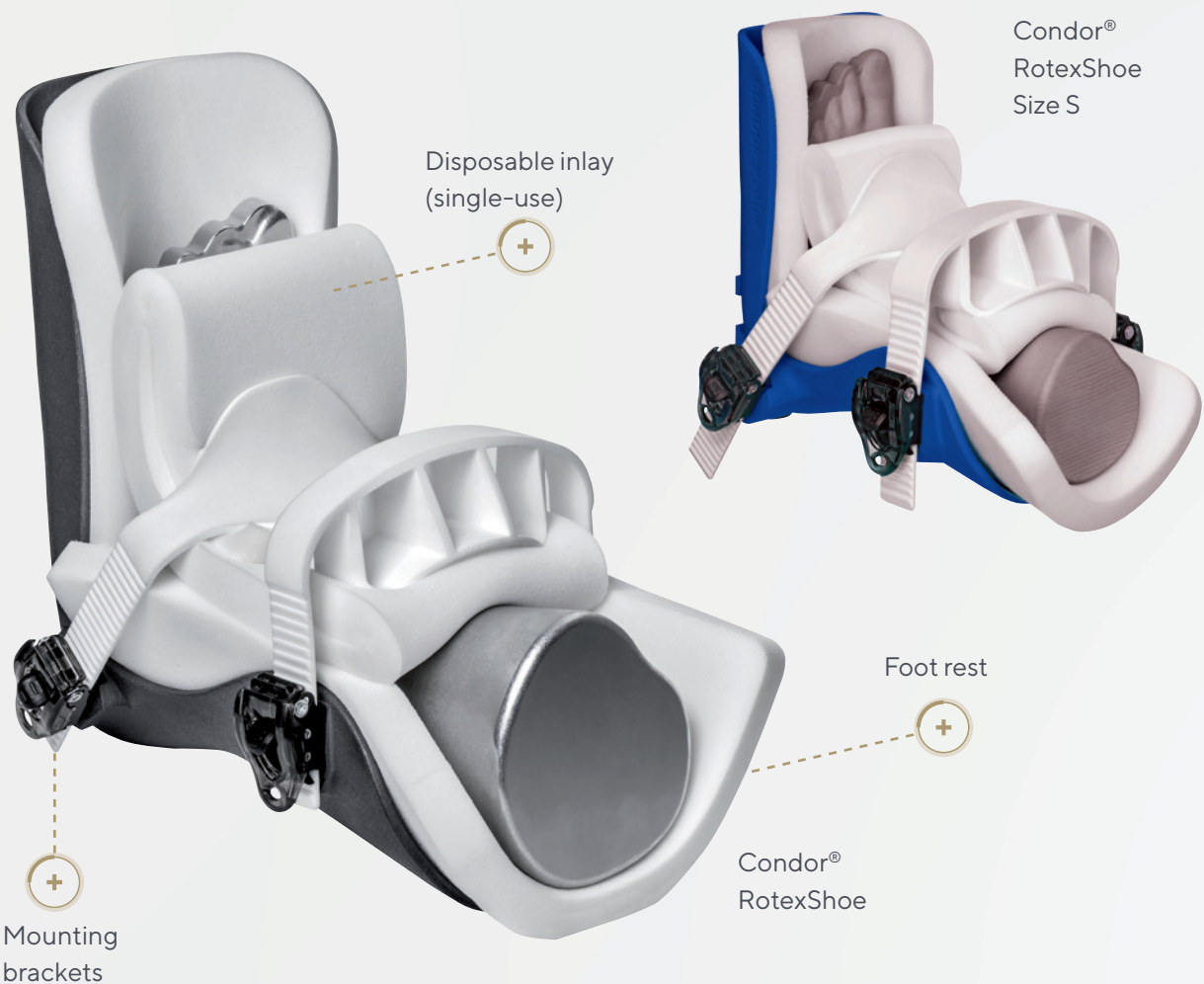
**Single-component solution for complete sterile coverage – no need for additional drapes during the procedure**

- **Sterile drape with high transparency:**  
A clear view ensures precise handling and flawless control during surgery.
- **Integrated covering of the RotexTable®:**  
No additional drapes or fixation required at the foot end.
- **Integrated anesthesia sheet:**  
The cover is equipped with a specific area for the anesthesia sheet.
- **Suction bag:**  
Attaching a suction bag facilitates the management of fluids and waste during the procedure.
- **Integrated hook-and-loop fastener**  
for secure cable management.



# Condor® RotexShoe: Standardized foot positioning for relevant surgical procedures – ensuring maximum hygiene and patient safety

RotexShoe



**Reduced risk of  
infection thanks  
to hygienic safety  
throughout the  
entire surgical  
process**  
(including pre- and  
post-operative care)

**Prevents  
post-operative  
complications like  
pressure sores or  
foot-related injuries  
due to slippage**

**Standardized,  
reproducible  
foot fixation helps  
lower costs**

**Saves personnel  
resources as  
fixation can be  
performed by a  
single person**



Hip Endo-  
prosthesis

Hip  
Arthroscopy

Trauma  
Surgery



Product and application videos are available on our RotexShoe website



"Perhaps the new standard in foot fixation for extension table positioning. The shoe is a single-piece construction made of plastic, making it relatively lightweight. The surface is smooth, making it of course easy to disinfect. It features various docking points compatible with various traction spindle systems. For patient positioning, all that's needed is a three-part soft foam kit – nothing more! [...] **What truly impressed me during the first application was the speed with which I was able to position and secure the foot by myself.** Time is money! [...] In my opinion, this is **the future of foot positioning for extension table setups.**"

*(Excerpt from: OP Journal 2021 37th Year, pages 126-130, special edition Positioning of the Foot in Extension Table Positioning)*

*Alexander Motzny Deputy Head of Nursing, Operating Room/Head AEMP, Surgical Department/AEMP, Tübingen Accident Clinic*



**A perfect fit: Durable traction boot and hygienic single-use inlay set including mounting brackets**



Increased hygiene safety through the use of single-use padding: one dedicated set per patient



Time and cost advantage: No additional, complex padding required for positioning



# Condor® RotexShoe



## Your benefits:

**Enhanced hygiene safety** through the use of single-use pads

**Secure positioning** thanks to a stable, firmly fixable combination of foot rest, padding and mounting brackets

**Stable fixation** even under heavy load - withstands traction forces of up to 80 kg

**No need for complex or extra padding**

**Fast positioning** time of the traction boot

**Reduction of shear forces** through even pressure distribution when pressing down the mounting brackets

**Even pressure distribution** for skin protection

**Lightweight, highly durable** foot rest

**Easy cleaning** thanks to the smooth surface

**Ideal for patients with latex allergies** - 100% latex-free design

**Compatible** with all standard extension tables

**Simple, intuitive** handling

### **Combined use possible with**

Conventional operating tables with standard rails

Condor RotexTable®

Condor ES®



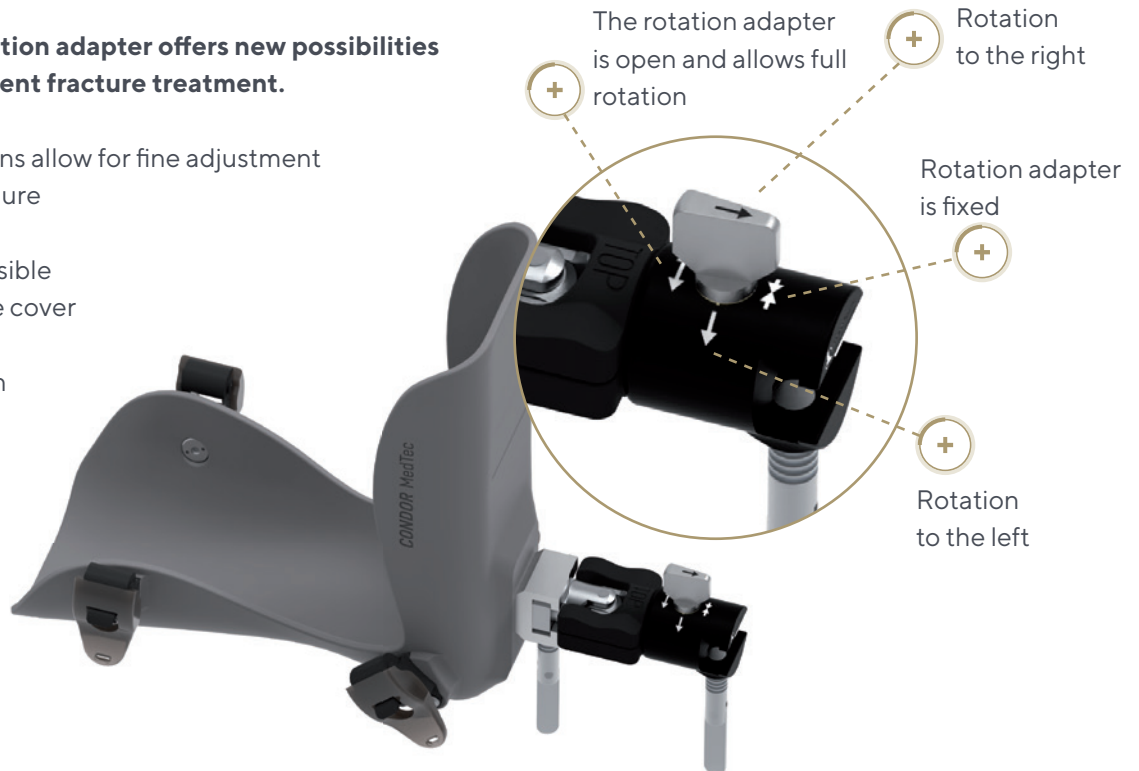


## Rotation adapter: For highest stability during rotation

**The optional rotation adapter offers new possibilities for safe and efficient fracture treatment.**

Four setting options allow for fine adjustment during the procedure

- Operation possible through sterile cover
- Easy handling for the surgeon

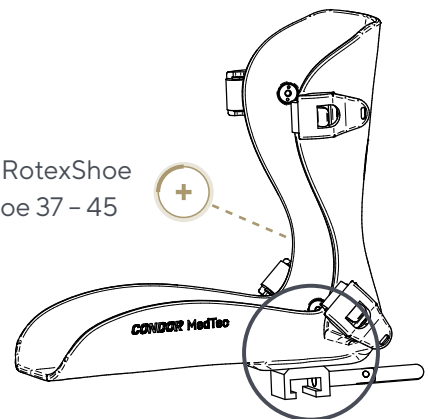


## Slide rail connections for the RotexShoe:

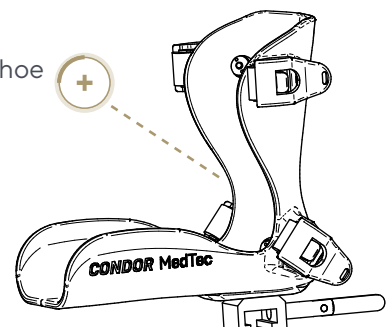
**Universally compatible: The RotexShoe fits all common OR tables with a standard side rail.**

When used with the RotexTable®, the traction boot is also applied in minimally invasive hip arthroplasty procedures – for example, the Direct Anterior Approach (DAA). A dedicated interface is available for this technique.

Condor® RotexShoe  
Size of shoe 37 – 45



Condor® RotexShoe  
Size S  
Size of shoe < 37



No connection to existing extension table available? We are glad to collaborate on a custom-fit solution.





# Condor® Knee Positioner TKR: Optimized intraoperative leg positioning during knee endoprosthesis

**Full control:**  
Operated directly  
by the surgeon to  
ensure optimal  
positioning and  
adjustment

**Highest precision**  
thanks to stepless  
intraoperative leg  
guidance in  
rotation

**Long-lasting due**  
to simple cleaning  
and convenient  
storage of each  
module

**Safe surgical**  
workflows ensured  
by sterile setup  
and assembly at  
the operating  
table

**Optimized surgical**  
process through  
3D ball joint:  
Intraoperative leg  
rotation with locking  
functionality

**Safety at all times:**  
lock-in leg positioning  
allows the surgeon to  
securely fix the leg in a  
stable position

**Hygienic safety**  
guaranteed  
by a sterile  
set-up, easy  
cleaning, and  
sterilization

**Premium quality**  
ensures durability  
and reusability

**Ensures a safe**  
and stable  
surgical field  
during the  
operation

**Perfectly tailored**  
for compatibility  
with various surgical  
robots, enhancing  
precision and  
efficiency during  
the operation

Crossbar



Main holder





Knee  
Endopros-  
thetics



Product and application videos are available on our Knee Positioner TKR website



**"The Condor® Knee Positioner TKR offers surgeons highly flexible options to optimise intraoperative leg positioning during knee endoprosthetics.**

Its thoughtfully designed slim profile allows seamless integration with any operating table and is suitable for both smaller and larger patients.

The system's flexibility and ease of use enable the surgical team to ensure a smooth operative workflow. I see clear advantages for both manual and robot-assisted surgery.

As a surgeon, the knee positioner significantly enhances the procedure, as I can independently operate the system at any time, allowing continuous adjustment and even rotation of the leg. During fixation, the leg is held securely, ensuring a stable and safe surgical field throughout.

This represents a marked improvement both for clinical workflows and for enhancing patient care."

*PD Dr. med. Marco Ezechieli*

*Specialist in Orthopedics and Trauma Surgery,*

*Knee and Hip Endoprosthetics,*

*Joint-Preserving Hip Surgery*

*ATOS Klinik Fleetinsel, Hamburg*





# Condor GoldLine® Retractor Systems: Multifunctional solutions for highest requirements in surgery



## Efficient surgery Management:

By a consequent standardization of the Condor GoldLine® systems in your clinic, you will optimize the workflow. Staff capacities that were so far bound will thus be released, for instance for the training of professionals. The compatibility of the Condor GoldLine® system supports you with realizing efficient investment planning and in strategic purchasing.



## The highest patient safety:

The individual adjustable system components and their special design reduce the risk of tissue and vessel damage. An integrated isolation at the main holder increases the protection against electric currents. Moreover, the reduction of the number of persons in the operating room demonstrably decreases the risk of infection.



## User-friendliness:

Uncomplicated system set-up as well as intuitive, quick and simple operability.



## Maximum precision work:

Excellent sight in the situs and tip-focused working in a calm and stable surgical area with maximum freedom of movement.



## Individual flexibility:

Individually combinable systems adaptable to your surgery that are compatible across systems and may be applied interrelated and together.



# Retractor Systems

## for orthopaedics, trauma Surgery and Spine Surgery

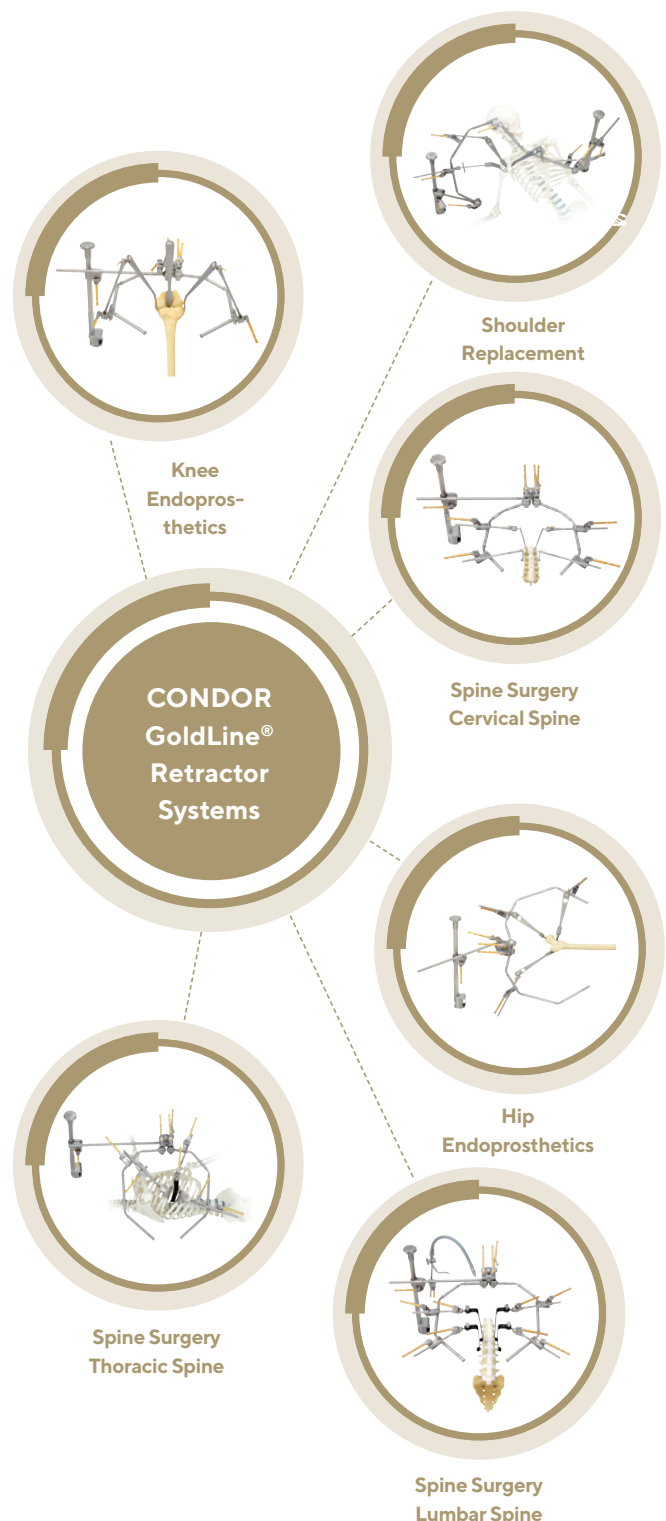
Orthopedics and trauma surgery require a high degree of preparation and flexibility with regard to the positioning of the patient. For this purpose, Condor GoldLine® offers systems tailored for hip, knee and shoulder procedures, which provide you with process reliability and with its multifunctional application options, prove to be much more flexible and efficient than conventional systems. At the same time, they keep the retractors securely in their desired position, even under heavy load.

"The **Hip in a Day-Konzept** is based on three pillars. First, the minimally invasive surgical method that preserves tendons, muscles, and nerves. Second, a shorter and therefore much better-tolerated anesthesia. And third, intensive pre- and postoperative patient care.

**I perform this operation multiple times daily and use the Condor® MedTec retractor system for every single procedure.** This allows me to conduct the surgery in a standardized way with only one assistant, to reduce the risk of infection by having fewer people in the operating room, and to improve the training quality for young colleagues – who don't just stand on the opposite side holding hooks but can follow and assist with the operation from the very beginning.

To successfully implement this approach in everyday clinical practice, I have up to four wound retractor systems available per day – systems I have been using for 10 years."

*Dr. med. Manfred Krieger  
Specialist in Orthopedics and Trauma Surgery*







# Hip Endoprosthesis



Product and application videos



## Your benefits:

For all  
surgical hip  
approaches

Suitable for  
any position  
of the patient

Also suitable  
for use with  
navigation  
systems

Easy and  
efficient  
system  
installation

Thanks to ball  
adapters, you can  
continue to use  
your existing  
Hohmann retractors

**Combined use  
possible with**  
Condor RotexTable®  
Condor® ES  
Condor® RotexShoe  
Condor® XP 360°





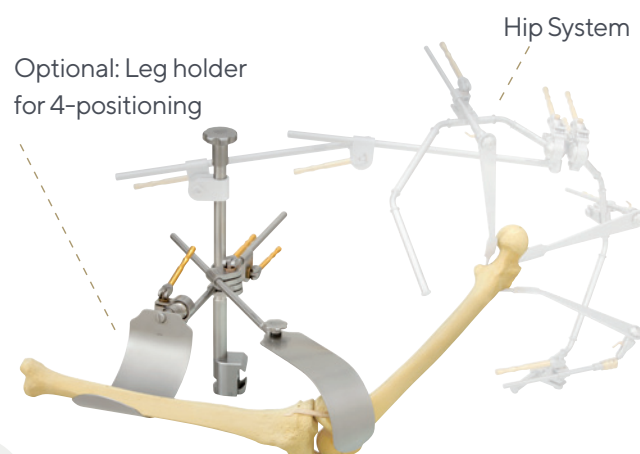
Hip endoprosthetics require a large amount of preparation before surgery. The efficient support provided by the simple, flexible and quick assembly of the Condor GoldLine® surgical retractor system is particularly suited for endoprosthetics of the hips. You can fix your existing Hohmann bone levers; they can be adjusted individually using our ball adapter, and will reliably remain in the preset position. This means that you can keep your hands free and apply yourself fully to the operation.

Another advantage is that the ball adapters comprise quick release fasteners that can be deliberately opened using a lever function – this saves time, simplifies the handling and ensures the best possible, flexible setting. At the same time, it prevents an accidental release of the ball adapters. Even the application of a navigation system does not limit the functions of Condor GoldLine®.

Condor GoldLine® can be used for replacement hip surgery independently of the patient's position – in supine or lateral position.

## Optional: Leg holder for 4-positioning

The position of the leg is of great importance in ensuring that an endoprosthetic sits securely. The leg holder for the hip replacement system fulfils this demand and is therefore the ideal addition to the Condor GoldLine® hip endoprosthetics surgical retractor system. With our system, we can guarantee the exact positioning of the leg in the leg rest. The leg rest itself is in a mobile position, minimizing the risk of pressure points on the lower leg. A specially developed 'hold-down device' also keeps the leg in position, so that you can operate safely, without barriers.



## Your benefits:

**Precise positioning of the leg with ball bearing**

**Additional fixing with a "leg binder"**

**Pressure release through independently movable leg rest**



# Knee Endoprosthetics



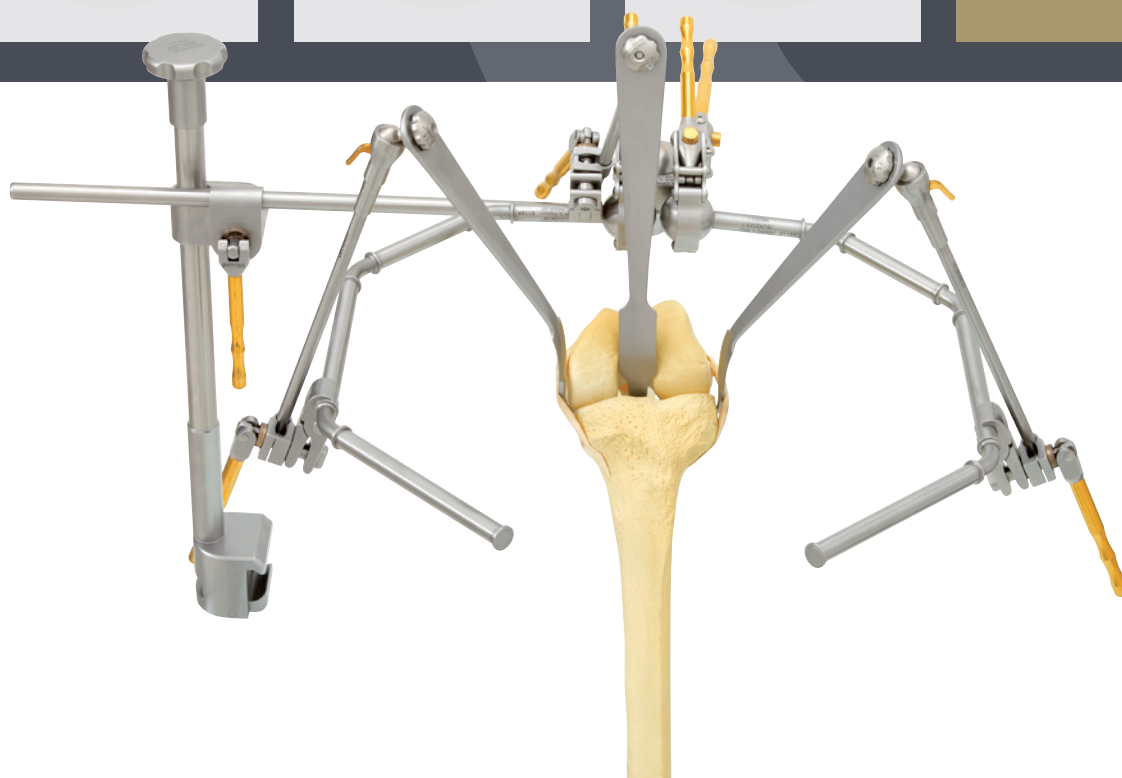
## Your benefits:

Thanks to ball adapters, you can continue to use your existing Hohmann retractors

Precise implantation of endoprosthesis thanks to a flexible open structure

Can be combined with the Condor® Knee Positioner TKR

Combined use possible with Condor GoldLine® Knee Positioner TKR



The Condor GoldLine® system for knee replacement stands out with convincing performance characteristics and features. During knee replacement, the leg is moved frequently. Therefore, the retractor system also needs to be adjusted for this situation. The easy and flexible handling of the Condor GoldLine® surgical retractor system assumes accountability for this factor. Using the 3D settings of the ball bearings and after a downwards open installation, the mobility of the leg is in no way limited. The quick and flexible adaptation of the

Hohmann retractor with ball adapters ensures unrestricted handling. A lever mechanism lets the bone levers be released and repositioned with one hand.

Fixing all bone levers with ball adapters will free up your hands, allowing you to focus exclusively on the course of the surgery – both as surgeon and when training your staff.



# Shoulder Replacement

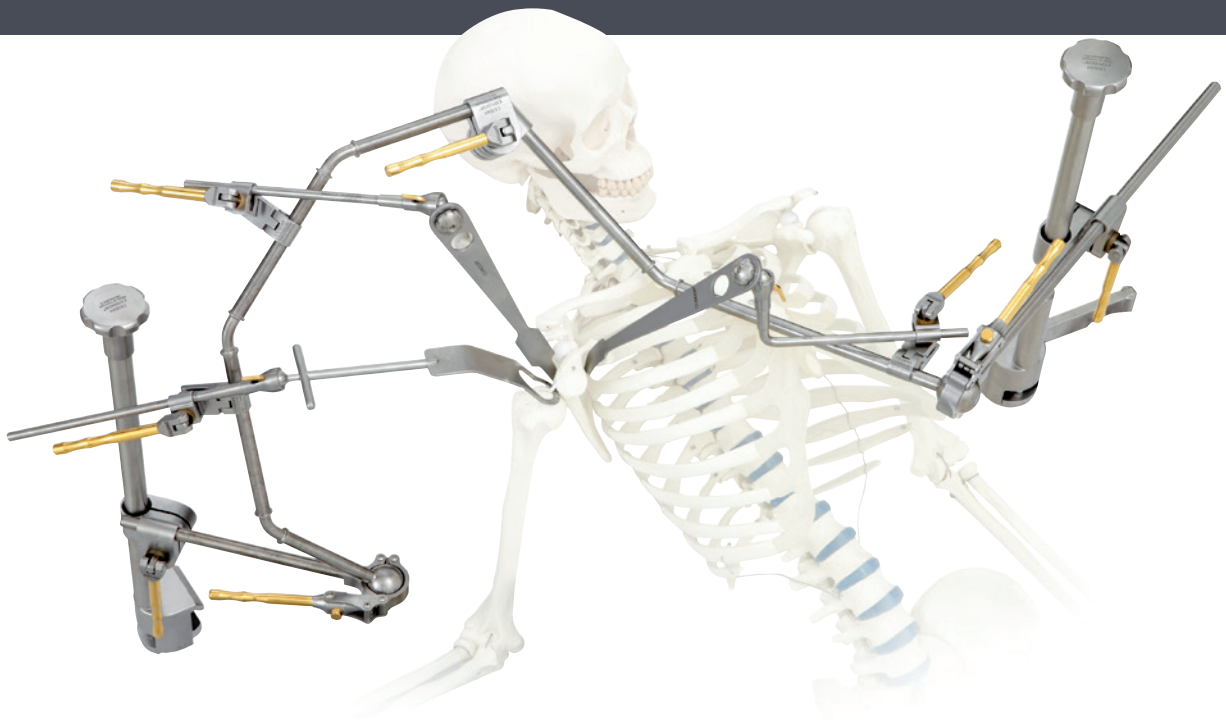


## Your benefits:

**Full freedom  
of movement for  
the arm, for  
optimal work**

**Special extra  
retractors for  
shoulder surgery,  
e.g. Fukuda  
retractors**

**Maximum  
stability regardless  
of position**

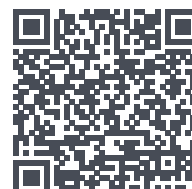


The Condor GoldLine® system for the shoulder replacement: an efficient solution for shoulder endoprosthetics, which offers high stability while also allowing the arm to move freely during the implantation of the prosthesis on the joint.

The system is designed to hold the retractors over long periods with plenty of strength. The result: you can operate without interruptions.



## Cervical Spine



Product and application videos



### Your benefits:

**Special  
retractors  
can be used**

**Stable setting  
for time-saving  
work**

**Combination  
with Mini Hohmann  
retractors possible**

**Individual  
retractor  
placement**



Condor GoldLine® surgical retractor system in a mini set for spinal surgery on the cervical spine is particularly user-friendly. Thanks to the 3D setting of the flexible retractors, the arms can individually be adjusted without barriers.

The secure fixing of the retractors in the clamps prevents the retractor position changing by accident, minimizing the risk of injury to the vessels or nerves. This saves a significant amount of time, as it does not need readjusting.





## Thoracic Spine

We are setting a new benchmark with the Condor GoldLine® thoracic spine set for thoracic access in spinal surgery. Because it involves the successful combination of a traction device and a retractor system. The result: added flexibility, yet with a lower demand for space and reduced costs. The ball joints make work easier, as the arms can be positioned without too much effort. You can attach special retractors with patented blade holders with tip focus to them. A system designed to give you maximum flexibility in the OR.



### Your benefits:

**More flexibility  
when setting  
up system**

**Fine adjustment  
of the retractors  
thanks to traction  
device**

**Precise opening  
of intercostal  
space with the  
help of traction  
device**

**Reduced  
demand for  
space**

**Combined use  
possible with  
Condor®  
XP 360°**

**Increased  
patient safety  
thanks to stable  
situs adjustment**



## Lumbar Spine



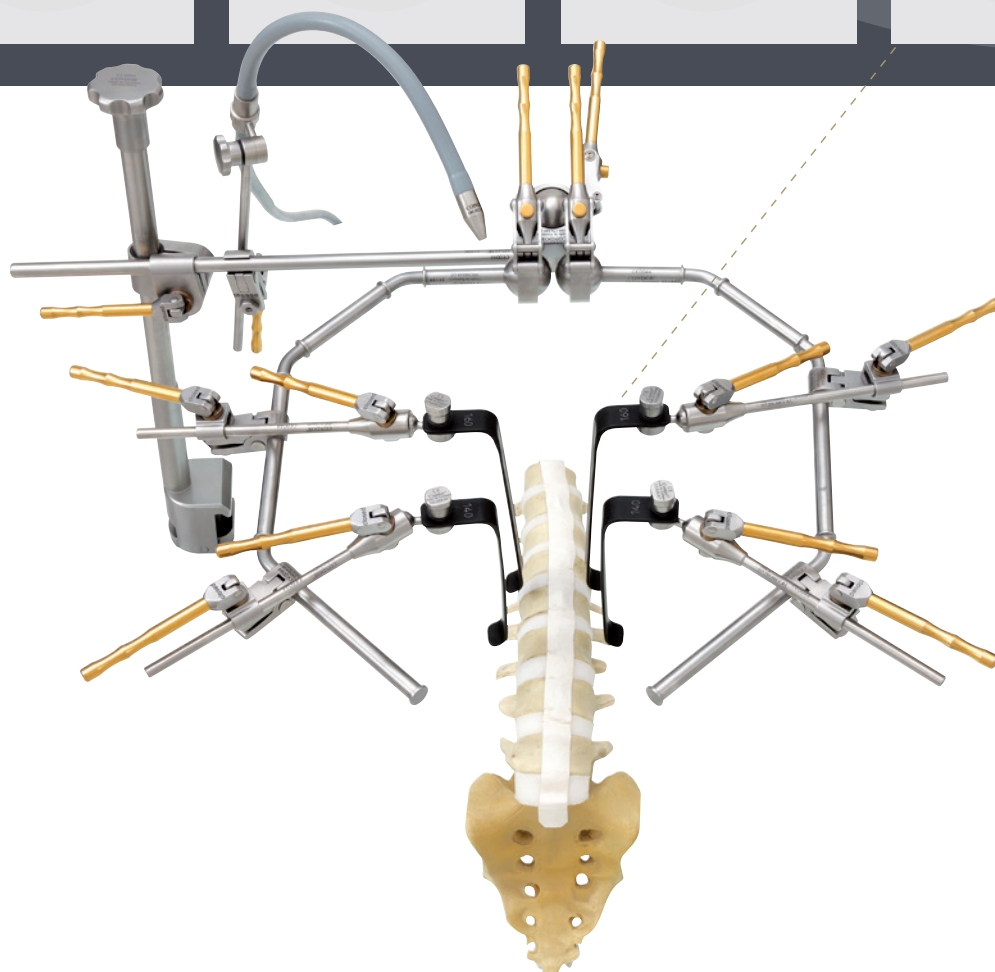
### Your benefits:

**Functional  
design**

**Optimal light  
ratios due to  
installation of  
flexible cold light**

**Better situs  
as a result of a  
tip-accentuated  
setting**

**X-ray  
compatible  
wound  
retractors**



Maximum quality, easy handling and modular flexibility are among the unique selling points of the Condor GoldLine® surgical retractor system for spinal surgery on the lumbar spine. The retractors of this system are adapted to meet the demands of spinal surgery and availa-

ble in all conventional lengths; their shape is sleek and flat, yet uncompromisingly stable and translucent. We recommend using flexible cold light for optimal lighting in the operating theatre.





[www.condor-medtec.de/en](http://www.condor-medtec.de/en)

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