ITS.
Implants for Trauma Surgery

G-SERIES

HIP-G

PROXIMAL FEMUR

Made in Austria

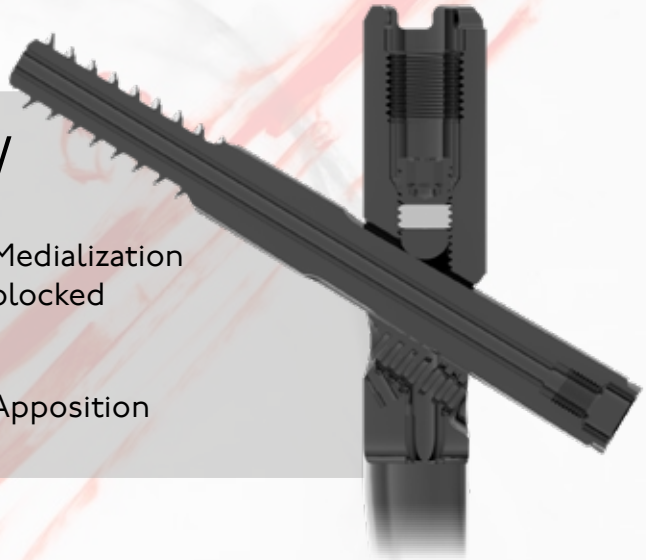
PROXIMAL FEATURES

- Easy-to-use, built-in targeting guides to aid K-wire placement
- 2 portal approach providing rotational stability both intra- and post-operatively
- Inferior DyCon® Set Screw allowing for controlled dynamization
- Built-in closing of the fracture gap and compression of the fracture

SET SCREW OPTIONS

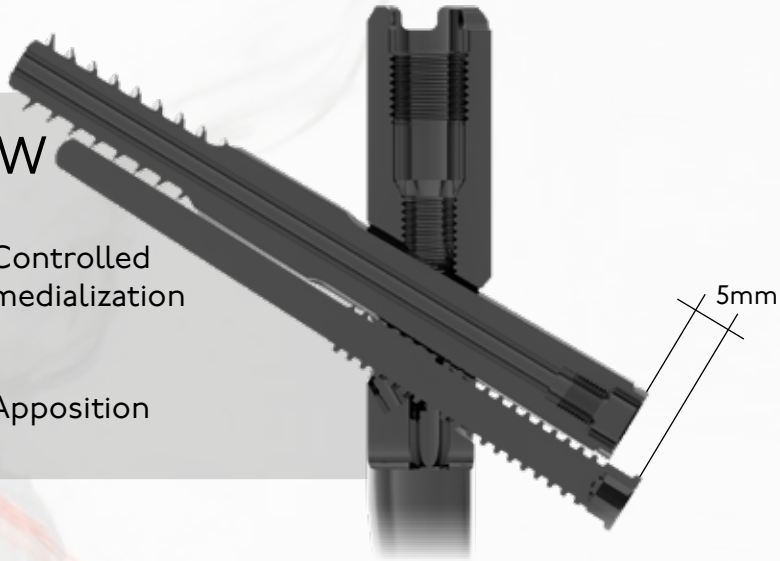
AXIAL SET SCREW

- ✓ Dynamization Control
- ✓ Medialization blocked
- ✗ Compression
- ✓ Apposition



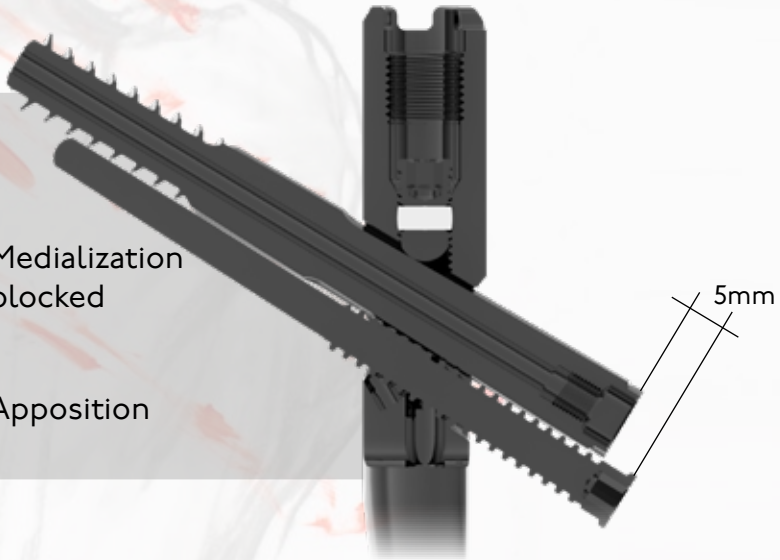
DYCON SET SCREW

- ✓ Dynamization Control
- ✓ Controlled medialization
- ✓ Compression
- ✓ Apposition



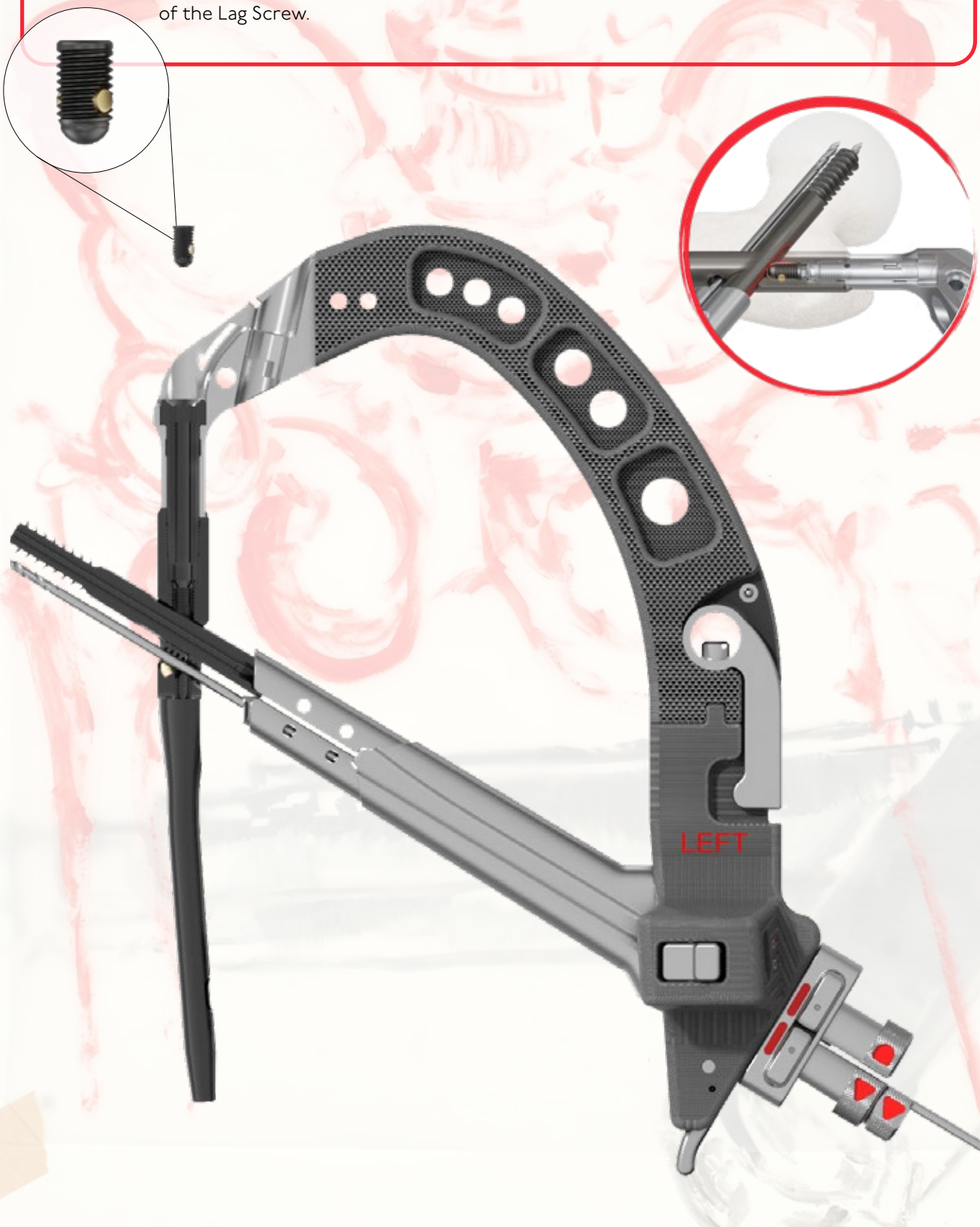
COMBINATION

- ✓ Dynamization Control
- ✓ Medialization blocked
- ✓ Compression
- ✓ Apposition



AXIAL SET SCREW

The Axial Set Screw can be used alone or in combination with the DyCon® Set Screw. If used alone, the medial movement of the Lag Screw is blocked and the lateral movement is free depending on the remaining groove length of the Lag Screw.



DYNAMIZATION CONTROL

The DyCon® Screw pair, consisting of the load-bearing Lag Screw with the inferiorly placed DyCon® Set Screw, forms a dynamically controlled force carrier system in the femoral neck and head.

The Inferior DyCon® Set Screw anchors in the nail and runs at a slight angulation into a groove in the Lag Screw. This technology allows for controlled lateral dynamization of the Lag Screw, while inhibiting medial migration with the full contact area between the two screws.

STATIC

DYNAMIC +

The standard technique describes a recommended 5mm dynamization shown above. However, with this design, the movement of the Lag Screw can be controlled in a fully scalable manner, from 0mm (static) to 10mm dynamization (Dynamic +).

APPOSITION

Our system offers two effective methods for closing a fracture gap: the appositioning instrument or our new L-tool, both designed to ensure precise alignment and optimal fracture healing.

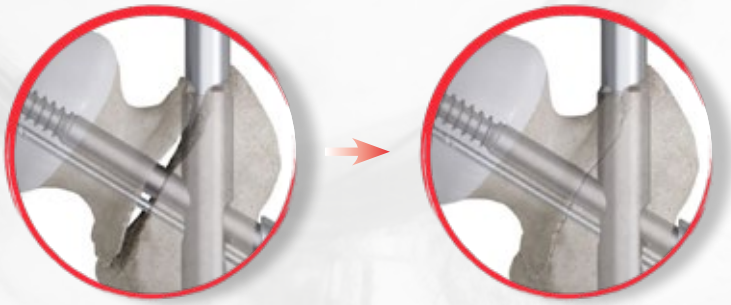
PF Appositioning Instrument

PF L-Tool

PF L-Tool Retention Rod

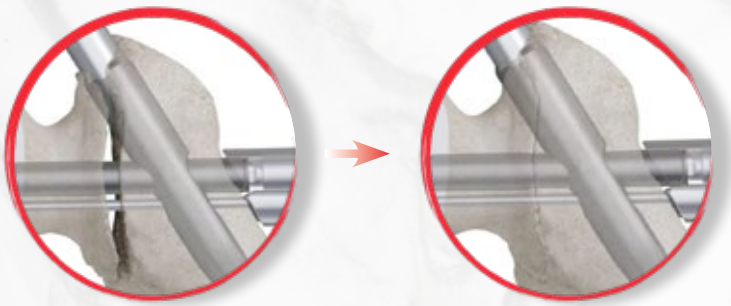
APPOSITIONING INSTRUMENT

The appositioning instrument allows a tensile force to be applied between the tissue-protecting sleeve and the screwdriver. By closing the handles, the jaws are spread apart, thereby closing and stabilizing the fracture gap.



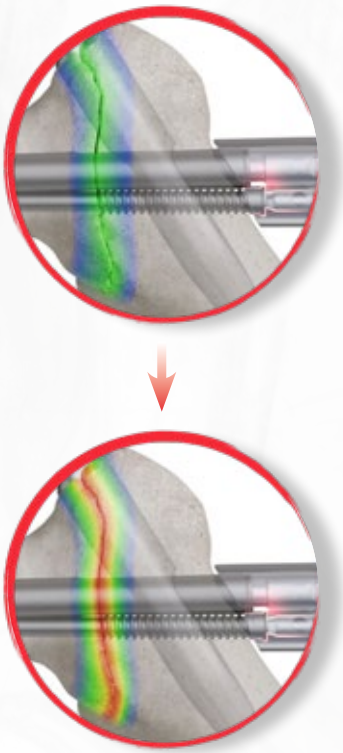
L-TOOL

Appositioning with the L-tool is achieved by turning the apposition screw. The screw presses against the tissue-protecting sleeve, and the lag screw is moved laterally, closing the fracture gap.



ADVANCED COMPRESSION

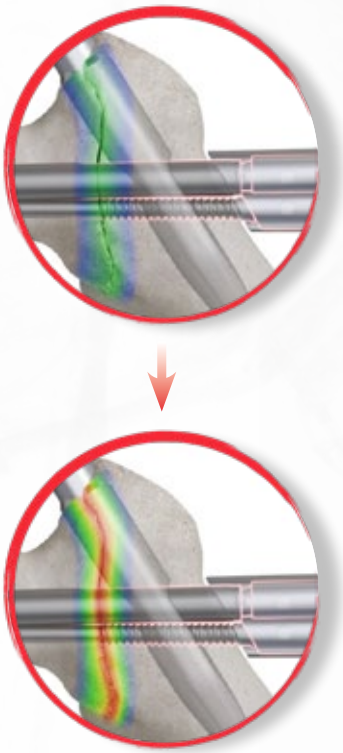
Analogous to apposition, the system offers two reliable options for advanced compression, ensuring both stable fragment contact and secure stabilization under load.



COMPRESSION ROD

PF Compression Rod

By turning out the DyCon® Set Screw, controlled compression across the fracture site can be achieved using the compression rod. This supports stable fracture healing and enhances primary stability.



L-TOOL

Our new L-Tool enables targeted compression by engaging the slider on the screwdriver. Turning the screwdriver counterclockwise applies controlled compression across the fracture site, ensuring precise and secure fixation.

Disclaimer:

The intended users are limited to medical personnel with appropriate product training by the medical product consultants or knowledge of the surgical procedure to be applied. The medical staff must ensure that the use of I.T.S. GmbH medical devices is appropriate, taking into account the medical condition and medical history of the patient. Prior to product use, medical personnel must refer to complete information on product label and in IFU, including, but not limited to, indications, contraindications, warnings and preventative measures, and cleaning and sterilization instructions. Product availability is dependent on country registrations and clearances. For more information, please visit www.its-implant.com or contact us at office@its-implant.com. All information herein is the intellectual property of I.T.S. GmbH.

In memoriam

Prof. Dr. Volker Bühren

(*1952 †2023)

Our personal gratitude goes to Prof. Dr. Volker Bühren (Murnau / GER) for guiding this product development from the idea to serial production. His focus has been on reducing clinical problems while improving usability, with the patient and the best possible care always at the heart of his efforts.

His passionate support for all areas of our company were and remain very valuable and will continue to find their way into the product portfolio of I.T.S.

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