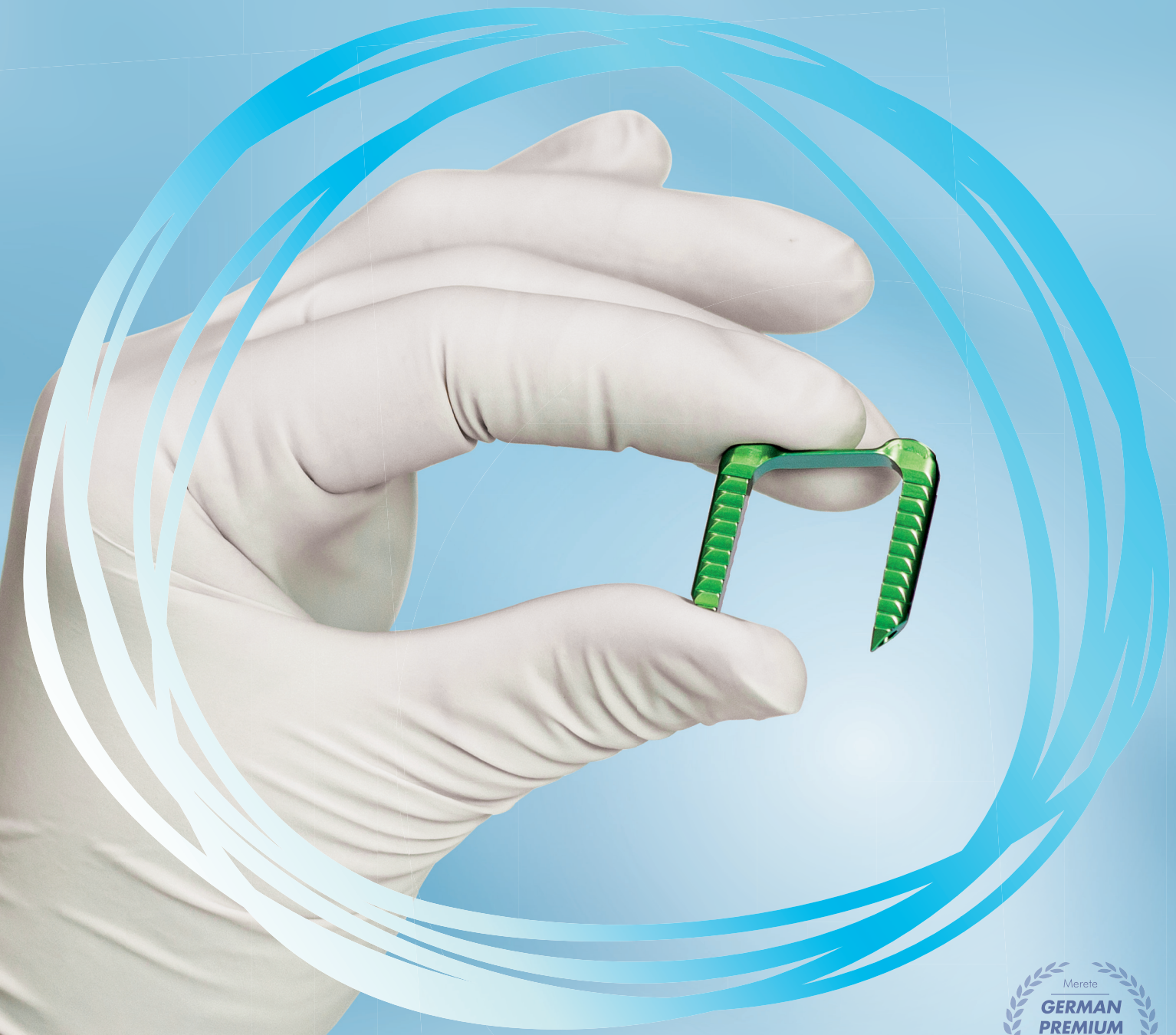
PediatrOS™
Merete® Pediatric Implants

merete®

FlexTack™ / RigidTack™

The New Generation of Pediatric Implants

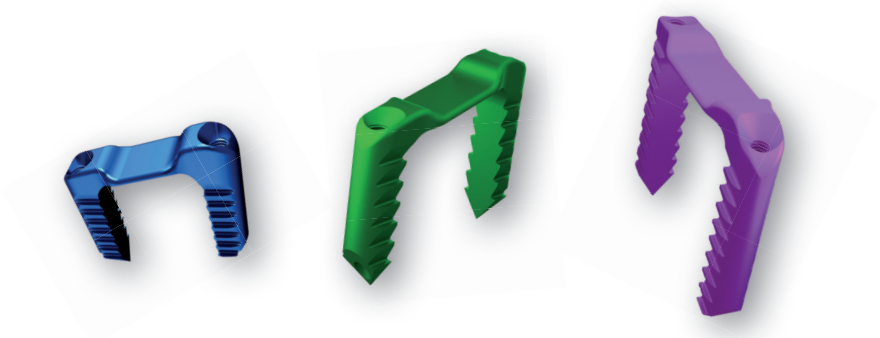


Merete
GERMAN PREMIUM QUALITY
Since 1996

FlexTack™: The First Anatomically Shaped *and* Flexible Implant for Growth Guidance

The **PediatrOS™ FlexTack™** staple is the further development of implants which have been used for over 60 years for correcting children's varus / valgus malalignments of the knee. What makes it different compared to conventional options is its flexibility. No more breaking plate-screw-systems or drifting blount staples but a highly efficient implant which functions exactly where it should, bending open with the natural growth direction of the epiphyseal plate. A specially developed set of instruments facilitates the explantation.

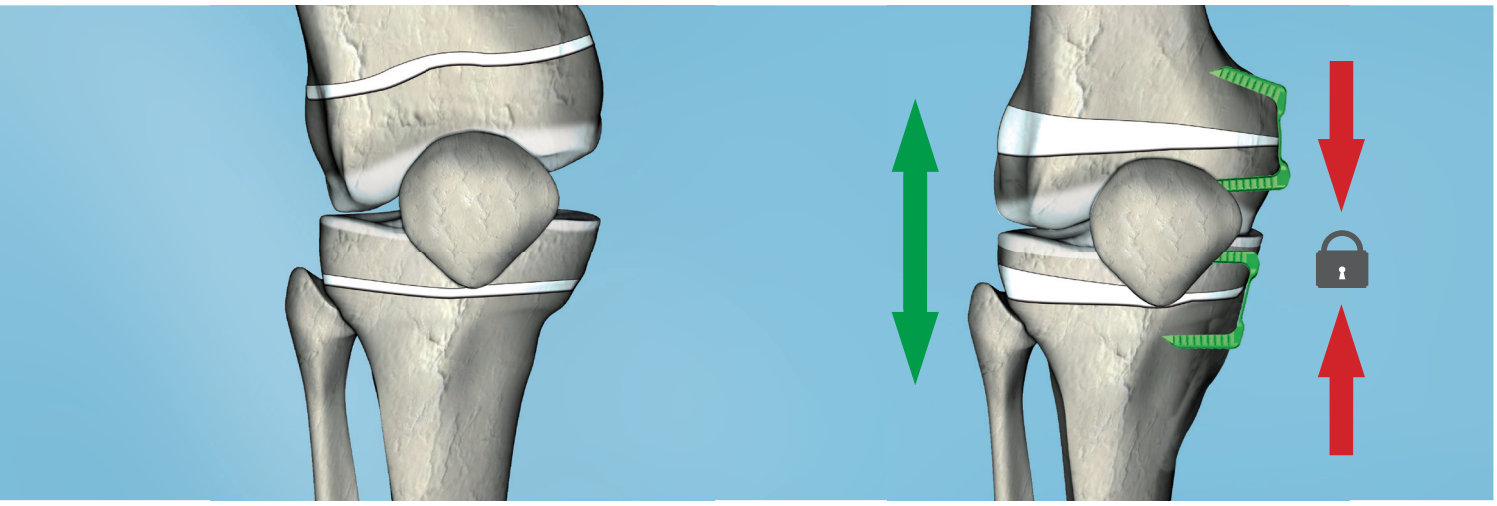
- **The flexible middle section helps correct knock knees and bow legs gently, precisely and without limitations by means of temporary Hemi-Epiphysiodesis**
- **Short fluoroscopy times (-35%), faster correction (+89%), and lower implant-associated complication rate (-89%) compared to plate systems**
- **Highly precise positioning possible**
- **Fast and minimally invasive surgical technique, short anesthesia, fast healing**
- **Immediate weight bearing possible**
- **Ideal biomechanical alignment**



„The FlexTack™ is the optimal implementation of the „Tension - Band" idea for growth guidance."

(Prof. Dr. Robert Rödl, Head Surgeon Pediatric Orthopedics, University Clinic Münster, developer)

▶ Angular Deformity Correction using PediatrOS™ FlexTack™



Prior to treatment

At the end of the treatment

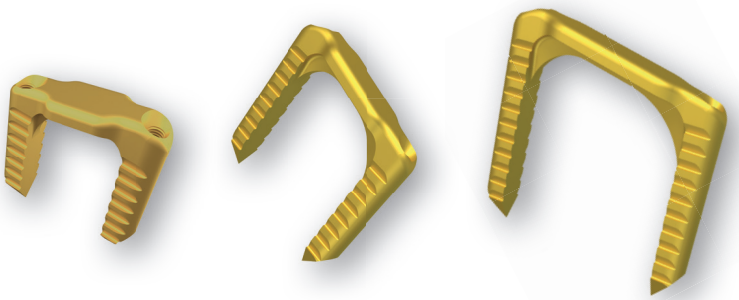
Design Features:

- 13 ° trapezoidal shape of the PediatrOS™ FlexTack™ staples - follows the anatomy of the femur and the tibia
- Jagged-shaped design of the staples' legs provide a tight fit in the bone
- Cannulated legs to allow precise insertion using K-wires
- Flexible middle section, which can bend under the forces of bone growth in vivo, thus allowing gradual growth guidance
- The internal thread and a specially developed chisel facilitate a quick and easy removal of the staple

RigidTack™: The Powerful Solution for Correcting Leg Length Discrepancies

The **PediatrOS™ RigidTack™** staple is an implant for growth delay by means of temporary epiphysiodesis which withstands the enormous force of the growing epiphyseal plate. Just like the FlexTack™, it is easily and precisely positioned thanks to a special targeting device. The child can go back to its active everyday life very soon after surgery **The RigidTack™ is the only implant which was specifically developed and approved for the correction of leg length discepancies.**

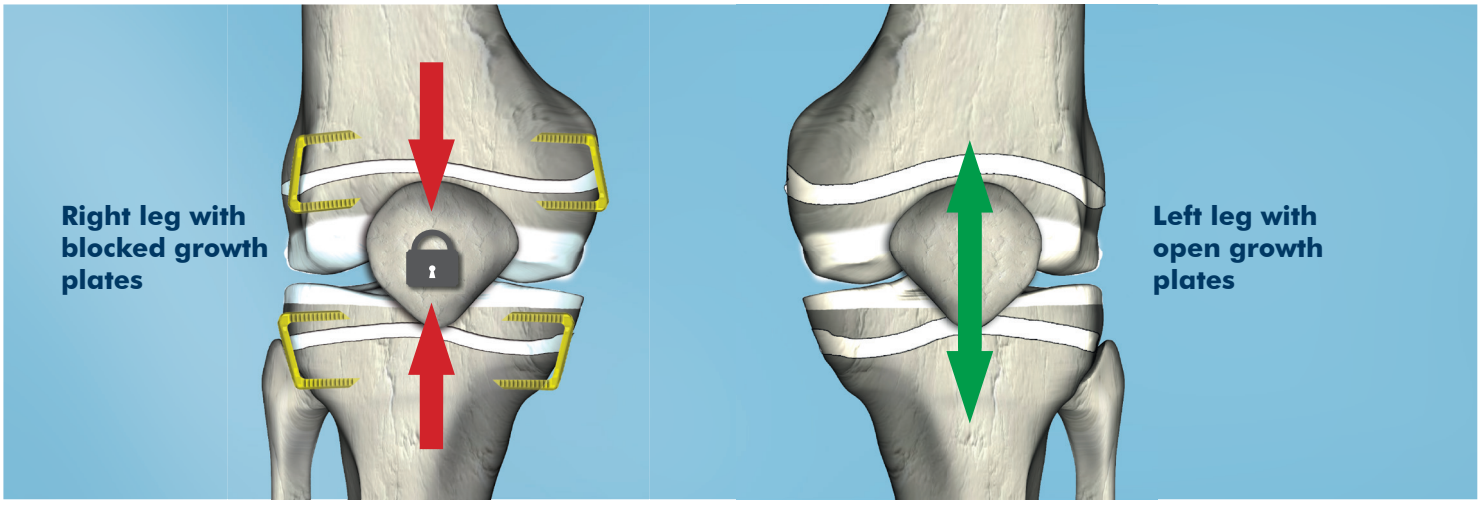
- **The reinforced middle section allows for a stable and accurate temporary Epiphysiodesis for correcting leg length discrepancies**
- **Highly precise placement possible**
- **Fast and minimally invasive surgical technique, short anesthesia, fast healing**
- **Immediate weight bearing possible**
- **Ideal biomechanical alignment**
- **Low fluoroscopy times**



„With the RigidTack™ we finally have an implant that can safely handle leg length discrepancies."

(Prof. Dr. Robert Rödl, Head Surgeon Pediatric Orthopedics, University Clinic Münster, developer)

Leg Length Discrepancy Correction using PediatrOS™ RigidTack™



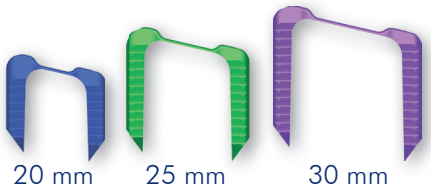
Design Features:

- 13 ° trapezoidal shape of the PediatrOS™ RigidTack™ staples follows the anatomy of the femur and the tibia
- Jagged-shaped design of the staples' legs provide a tight fit in the bone
- Cannulated legs allow insertion using K-wires
- In order to obtain a rigid mechanical behavior, the clamps are fitted with reinforcing struts
- The internal thread and a specially developed chisel facilitate a quick and easy removal of the staple

Ordering Information

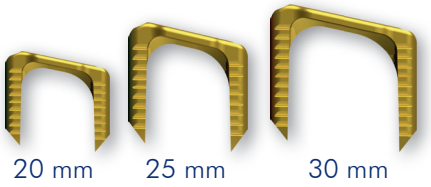
Fax: +49 (0)30 76 68 03 61
E-Mail: customerservice@merete.de

FlexTack™ Implants (sterile)



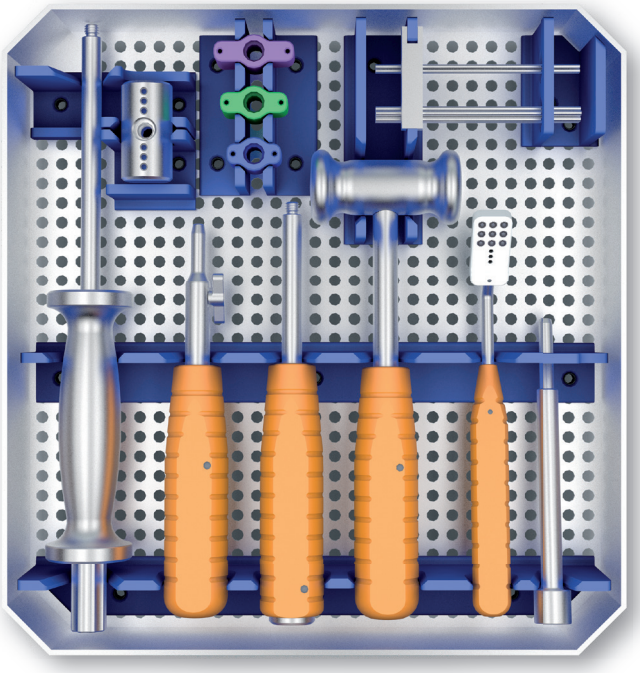
Size	Ref.
20 mm	CP20020
25 mm	CP20025
30 mm	CP20030

RigidTack™ Implants (sterile)



Size	Ref.
20 mm	CP20120
25 mm	CP20125
30 mm	CP20130

ONE Set of Instruments, TWO Indications



Description	Ref.
Instrument Tray	CP90002

Description	Ref.
K-wire grip wrench	CP10007
Impactor	CP10008
Impact connector, size 30, purple	CP10009
Impact connector, size 25, green	CP10010
Impact connector, size 20, blue	CP10017
Hammer	AI00019
Extractor	CP10011
Slaphammer (Rod)	CP10012
Slaphammer (Flywheel mass)	CP10013
K-wire Ø1.6 mm L=80 mm	CK56116
K-wire Ø2.0 mm L=80 mm with threaded tip	CP10014
Chisel	CP10015
Target device	CP10016

Literature:

- Vogt B, Schiedel F, Rödl R. Wachstumslenkung bei Kindern und Jugendlichen. Orthopäde. 2014; 3:267-284.
- Vogt B. Wachstumslenkung – Achskorrekturen – Ist die Klammer out?. 7. Münsteraner Frühjahrssymposium. 2015: 1-56.
- Vogt B. FlexTack™ und LockTack™* – Neue Implantate zur Korrektur von Achsdeformitäten des Kniegelenks und Beinlängendifferenzen mittels temporärer Epiphysiodese. 33. Jahrestagung der Sektion Kindertraumatologie der deutschen Gesellschaft für Unfallchirurgie Lübeck. 2014: 1-35.
- Vogt B. Moderne Wachstumslenkung mit der PediatrOS™ FlexTack™ und LockTack™*. 11. Kinderorthopädisches Symposium. Annastift Hannover. MHH. 2014:1-61

* LockTack™ was renamed to RigidTack™ in 2015

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Überreicht durch:

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