LCP Metaphyseal Plates.
For juxta-articular fractures.
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Features and benefits

**LCP combi-holes allow uncompromising combinations**
The combi-hole allows an internal plate fixation using standard screws, angular stable locking screws, or a combination of both. This takes into account the most diverse intraoperative requirements.

**Angular stability allows for better fixation**
The angle- and axis-stable locking screws prevent loss of reduction under load. A precise anatomical contouring of the plate is unnecessary when using this system as a locking internal fixator.

**Easier plate contouring due to thinned plate profile**
The plate design facilitates anatomical contouring considerably, whilst taking into account the distinctive features of the metaphyseal bone area (e.g. complex bone shapes, thin soft tissue envelope).
Surgical steps

Indications
Juxta-articular fractures extending into the shaft area

Implant preparation
Adapt the LCP Metaphyseal Plate to the anatomy of the bone.

Plate fixation
Use the LCP Metaphyseal Plate according to the LCP principles (see LCP Instructions for Use, Art. No. 036.000.019).

The two distal holes in the thinned area of the plate, which are angled at 11° towards the centre of the plate, allow for an optimal application of the locking screws in the epiphyseal area. Take this into consideration when bending the plate and threading in the threaded LCP Drill Sleeve for 2.8 mm drill bits (323.027).

The threaded LCP drill sleeves ensure easy and axially correct pre-drilling.

Insert Kirschner wires to determine the direction of the screws or to temporarily fix the plate using the centering sleeve for Kirschner wires.
- Small fragment: Centering Sleeve for 1.25 mm Kirschner wires (324.081)
- Large fragment: Centering Sleeve for 2.0 mm Kirschner wires (323.044)

The simultaneous use of two threaded LCP drill sleeves in the thinned plate area also assists insertion in the minimally invasive surgical technique.

Fixation of 3.5 mm locking screws
1 Axially correct pre-drilling for the self-tapping 3.5 mm locking screws requires the threaded LCP Drill Sleeve for 2.8 mm drill bits (323.027).

2 Use the Torque Limiter 1.5 Nm (511.115) and the Screwdriver Shaft (Hex 314.030, Stardrive 314.116) for the motor-driven insertion of the locking screw.

3 Stop the motor before locking, fix the torque limiter and the screwdriver shaft to the Handle with Quick Coupling (311.431) and tighten the screw. After one click, the optimal torque is reached.

Fixation of 5.0 mm locking screws
1 Axially correct pre-drilling for the self-tapping 5.0 mm locking screws requires the threaded LCP Drill Sleeve for 4.3 mm drill bits (323.042).

2 Use the Torque Limiter 4.0 Nm (511.771) and the Screwdriver Shaft (Hex 314.152, Stardrive 314.119) for the motor-driven insertion of the locking screw.

3 Stop the motor before locking, fix the torque limiter and the screwdriver shaft to the Handle (397.705) and tighten the screw. After one click, the optimal torque is reached.

4 Alternatively, use the Torque-limiting Screwdriver (Hex 324.052, Stardrive 314.163) to tighten the screw manually.
**Juxta-articular fixation with the advantage of angled locking screws**
The two distal holes in the thinned area of the plate, which are angled at 11° towards the centre of the plate, allow an optimal application of the locking screws in the epiphysyal area.

**Increased hole density provides improved anchorage**
The outstanding feature of the large fragment LCP Metaphyseal Plate 3.5/4.5/5.0 is a tight network of LCP 3.5 combi-holes (small fragment) in the thinned plate area, allowing the screws to be inserted closer to one another.

**Additional design features**
- Bullet nose plate tip for easier application of the minimally invasive surgical technique.
- Temporary fixation can be achieved effortlessly through the suture hole.
- Improved vascularization of the periost due to plate undercuts that reduce the plate-to-bone contact.
- The elongated hole in the shaft optimizes fine tuning of the reduction in the longitudinal axis.
LCP Metaphyseal Plates.
For juxta-articular fractures.

Ordering information

LCP Metaphyseal Plate 3.5

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LCP Metaphyseal Plate 3.5/4.5/5.0

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Screws for the LCP Metaphyseal Plate 3.5
Use the LCP Metaphyseal Plate 3.5 with 3.5 mm small fragment
standard screws and locking screws.

Screws for the LCP Metaphyseal Plate 3.5/4.5/5.0
In the thinned plate area, use 3.5 mm small fragment standard screws
and locking screws. Use large fragment standard screws and locking
screws for the other plate area.

All plates and screws are available nonsterile and sterile packed.
For sterile implants add suffix S to article number.