

System Overview

The LENA™ LCP Peri-Knee Osteotomy System unifies angular stability with modern plate design for peri-knee osteotomies, and consists of five plates designed for specific parts of the anatomy. The LENA™ plates are designed according to locking compression plate principles. The fixed-angle locking holes provide multiple fixed-angle constructs throughout the plate, improving retention of screws in the plate and in cortical bone. Dynamic compression can be achieved by eccentric insertion of 4.5 mm cortex screws in the dynamic compression unit portion of the hole.

The LENA™ LCP High Tibia Osteotomy Plates are designed for corrective osteotomy of the tibial head and is characteristic of joint-preserving corrections of tibial malalignment. The plates ensures stable fixation of open-wedge osteotomies and can therefore speed up postoperative mobilization through a smaller approach and excellent angular stability.

The LENA™ LCP Distal Femur Osteotomy Plates were developed for supracondylar femoral varus osteotomy and hence to correct the axis of the genu valgum in order to reduce the stress on the lateral joint compartment to counteract the progress of degenerative joint disease. The standard methods for corrective distal varus osteotomy are the lateral open-wedge technique or the medial closed-wedge technique.

Implant Features

- The anatomical plate design minimizes the need for intraoperative plate contouring
- Long shaft to support and deflect forces in the diaphysis
- Plates have tapered ends allowing submuscular plate insertion
- Locking screws create a fixed-angle construct, providing angular stability
- Combination locking and compression holes design
- Symmetrical tibia plate in one length reduces the required storage capacities in the OR
- Distal femur plates are available as right and left version



Indications for Use

The LENA™ LCP Peri-Knee Osteotomy System is intended for open-wedge and closed-wedge osteotomies, treatment of bone and joint deformities, fixation of fractures, and malalignment caused by injury or disease, such as osteoarthritis, of the distal femur and proximal tibia.



Implant Information - Plates



LCP Medial High Tibia Osteotomy Plate, 4.5 mm

REF (TIT)	HOLES	LENGTH
MOI 35784004	4	115 mm

Screws: 5.0 mm Locking Screws / 4.5 mm Cortex Screws



LCP Medial High Tibia Osteotomy Plate, 4.5 mm, Small

REF (TIT)	HOLES	LENGTH
MOI 35785004	4	112 mm

Screws: 5.0 mm Locking Screws / 4.5 mm Cortex Screws



LCP Lateral High Tibia Osteotomy Plate, 4.5 mm

REF (TIT)	HOLES	DIRECTION	LENGTH
MOI 35786003	3	Left	102 mm
MOI 35787003	3	Right	102 mm

Screws: 5.0 mm Locking Screws / 4.5 mm Cortex Screws



LCP Medial Distal Femur Osteotomy Plate, 4.5 mm

REF (TIT)	HOLES	DIRECTION	LENGTH
MOI 35790004	4	Left	121 mm
MOI 35791004	4	Right	121 mm

Screws: 5.0 mm Locking Screws / 4.5 mm Cortex Screws



LCP Lateral Distal Femur Osteotomy Plate, 4.5 mm

REF (TIT)	HOLES	DIRECTION	LENGTH
MOI 35788004	4	Left	141 mm
MOI 35789004	4	Right	141 mm

Screws: 5.0 mm Locking Screws / 4.5 mm Cortex Screws

Implant Information - Screws



5.0 mm Locking Screws

REF (TIT)	LENGTH
MOI 35227020	20 mm
MOI 35227025	25 mm
MOI 35227030	30 mm
MOI 35227035	35 mm
MOI 35227040	40 mm
MOI 35227045	45 mm
MOI 35227050	50 mm
MOI 35227055	55 mm
MOI 35227060	60 mm
MOI 35227065	65 mm
MOI 35227070	70 mm
MOI 35227075	75 mm
MOI 35227080	80 mm
MOI 35227085	85 mm
MOI 35227090	90 mm
MOI 35227095	95 mm
MOI 35227100	100 mm



4.5 mm Cortex Screws

REF (TIT)	LENGTH
MOI 34600020	20 mm
MOI 34600022	22 mm
MOI 34600024	24 mm
MOI 34600026	26 mm
MOI 34600028	28 mm
MOI 34600030	30 mm
MOI 34600032	32 mm
MOI 34600034	34 mm
MOI 34600036	36 mm
MOI 34600038	38 mm
MOI 34600040	40 mm
MOI 34600042	42 mm
MOI 34600044	44 mm
MOI 34600046	46 mm
MOI 34600048	48 mm
MOI 34600050	50 mm
MOI 34600052	52 mm
MOI 34600054	54 mm
MOI 34600056	56 mm
MOI 34600058	58 mm
MOI 34600060	60 mm
MOI 34600062	62 mm
MOI 34600064	64 mm
MOI 34600066	66 mm
MOI 34600068	68 mm
MOI 34600070	70 mm