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# Instructions for Use Plate and Screw Implants

This instruction for use is not intended for  
distribution in the USA.

# Instructions for Use

## Plate and Screw Implants

Associated device systems with these instructions for use:

2.4 mm Cannulated Screw  
2.4 mm Variable Angle LCP Volar Extra-Articular Distal Radius System  
2.4/2.7 mm Locking Tarsal Plates  
Angled Blade Plates for Adults  
Angular Stable X-Plate and 2-Hole Plate  
Cannulated Angled Blade Plate 3.5 and 4.5, 90°  
Cannulated Pediatric Osteotomy System (CAPOS)  
Cannulated Screws 3.0/3.5/4.0/4.5/6.5/7.0/7.3  
DCP and LC-DCP Systems  
DHS/DCS System  
Distal Radius Plate 2.4/2.7 dorsal and volar  
DLS Dynamic Locking Screw  
Epoca Revision Set  
Femoral Neck System  
HCS 1.5  
HCS 2.4/3.0  
HCS 4.5/6.5  
Humerus Block  
LC-DCP System  
LCP Anterolateral Distal Tibia Plate 3.5  
LCP Clavicle Hook Plate  
LCP Compact Foot / Compact Hand  
LCP Compact Hand  
LCP Compact Hand 1.5  
LCP Condylar Plate 4.5/5.0  
LCP DF and PLT  
LCP DHHS  
LCP Dia-Meta Volar Distal Radius Plates  
LCP Distal Fibula Plates  
LCP Distal Humerus Plates  
LCP Distal Radius System 2.4  
LCP Distal Tibia Plate  
LCP Distal Ulna Plate  
LCP Extra-articular Distal Humerus Plate  
LCP Hook Plate 3.5  
LCP Locking Compression Plate  
LCP Low Bend Medial Distal Tibia Plates 3.5 mm  
LCP Medial Distal Tibia Plate, without Tab  
LCP Medial Proximal Tibial Plate 3.5  
LCP Medial Proximal Tibial Plate 4.5/5.0  
LCP Metaphyseal Plate for distal medial tibia  
LCP Metaphyseal Plates  
LCP Olecranon Plate  
LCP Pediatric Condylar Plate 90°, 3.5 and 5.0  
LCP Pediatric Hip Plate 2.7  
LCP Pediatric Hip Plate 3.5/5.0  
LCP Pediatric Hip Plates (3.5 and 5.0) 130°  
LCP Pediatric Hip Plates 3.5 and 5.0  
LCP Percutaneous Aiming System 3.5 for PHILOS  
LCP Periarticular Proximal Humerus Plate 3.5  
LCP Pilon Plate 2.7/3.5  
LCP Posterior Medial Proximal Tibial Plate 3.5  
LCP Proximal Femoral Hook Plate 4.5/5.0  
LCP Proximal Femoral Plate 4.5/5.0  
LCP Proximal Radius Plates 2.4  
LCP Proximal Tibial Plate 3.5  
LCP Proximal Tibial Plate 4.5/5.0  
LCP Superior Anterior Clavicle Plate  
LCP Superior Clavicle Plate  
LCP Ulna Osteotomy System 2.7  
LCP Volar Column Distal Radius Plates 2.4 mm  
LCP Wrist Fusion Set  
LISS DF  
LISS PLT  
Locking Attachment Plate  
Locking Proximal Humerus Plate  
Malleolar Screws 4.5  
Midfoot Fusion Bolt Ø 6.5 mm  
Orthopedic Foot Instruments  
Pelvic Implants and Instruments  
Periarticular Aiming Arm Instruments for LCP Condylar Plate 4.5/5.0  
Periarticular Aiming Arm Instruments for LCP Proximal Tibial Plate 4.5/5.0  
PHILOS and PHILOS Long  
PHILOS WITH AUGMENTATION  
Quadrilateral Surface Plates 3.5  
Rotation Correction Plates 1.5 and 2.0  
Sacral Bars  
Slipped Capital Femoral Epiphysis (SCFE) Screw System  
Spring Plates 3.5

Standard DHS Lag Screw with LCP DHHS Sideplate  
Sterile Distal Radius Kit  
The Calcaneal Plate  
The Locking Calcaneal Plate  
Wrist Fusion Instrument and Implant Set  
TomoFix  
TomoFix Medial Distal Femur (MDF)  
TomoFix Medial Distal Femur (MDF)  
TomoFix Medial High Tibial Plate (MHT)  
VA-LCP® MEDIAL COLUMN FUSION PLATES 3.5  
VA LOCKING CALCANEAL PLATES 2.7  
VA-LCP Ankle Trauma System 2.7/3.5  
VA-LCP Anterior Clavicle Plate  
VA-LCP Condylar Plate 4.5/5.0  
VA-LCP Distal Humerus Plates 2.7/3.5  
VA-LCP Olecranon Plates 2.7/3.5  
VA-LCP Proximal Tibial Plate 3.5  
VA-Locking Intercarpal Fusion System  
Variable Angle LCP 1st MTP Fusion Plates 2.4/2.7  
Variable Angle LCP Dorsal Distal Radius Plate 2.4  
Variable Angle LCP Forefoot/Midfoot System 2.4/2.7  
Variable Angle LCP Mesh Plate 2.4/2.7  
Variable Angle LCP Opening Wedge Plates 2.4/2.7  
Variable Angle LCP Tarsal Plates 2.4/2.7  
Variable Angle LCP TMT Fusion Plates 2.4/2.7  
Variable Angle LCP Two-Column Volar Distal Radius Plate 2.4  
Variable Angle LCP Two-Column Volar Distal Radius Plate 2.4/2.7, Extra-long  
Variable Angle LCP Volar Rim Distal Radius Plate 2.4  
Variable Angle Locking Hand System

Please read these instructions for use, the Synthes "Important Information" and the corresponding Surgical Technique Guide carefully before use. Ensure that you are familiar with the appropriate surgical technique.

Plate and Screw Implants consist of various plates and screws to be implanted which are single packed, and available sterile and/or non-sterile.

Important note for medical professionals and OR staff: These instructions for use do not include all of the information necessary for selection and use of a device. Please see full labeling for all necessary information (corresponding Surgical Technique Guide, Important Information and device-specific label).

### Material(s)

Material(s):	Standard(s):
Stainless Steel – 316L	ISO 5832-1
Stainless steel – 22-13-5	ASTM F 1314
TiCP	ISO 5832-2
CoCrMo alloy	ISO 5832-12

Titanium alloy:	
Ti-6Al-7Nb (TAN)	ISO 5832-11
Ti-6Al-4V (TAV)	ISO 5832-3
Ti-15Mo	F 2066

### Intended use

Plate and Screw Implants are intended for temporary fixation, correction or stabilization of bones in various anatomical regions.

### Indications

For specific indications for Plate and Screw Implants it is mandatory to consult the corresponding Surgical Technique Guide ([www.depuysynthes.com/ifu](http://www.depuysynthes.com/ifu)) of the product system being used.

### Contraindications

For specific contraindications for Plate and Screws it is mandatory to consult the corresponding Surgical Technique Guide ([www.depuysynthes.com/ifu](http://www.depuysynthes.com/ifu)) of the product system being used.

### Potential risks

As with all major surgical procedures, risks, side effects and adverse events can occur. While many possible reactions may occur, some of the most common include: Problems resulting from anesthesia and patient positioning (e.g. nausea, vomiting, dental injuries, neurological impairments, etc.), thrombosis, embolism, infection, excessive bleeding, iatrogenic neural and vascular injury, damage to soft tissues incl. swelling, abnormal scar formation, functional impairment of the musculoskeletal system, Sudeck's disease, allergy/hypersensitivity reactions, and side effects associated with hardware prominence, malunion, non-union.

## Sterile device

**STERILE R**

Sterilized using irradiation

Store implants in their original protective packaging, and do not remove them from the packaging until immediately before use.

Prior to use, check the product expiration date and verify the integrity of the sterile packaging. Do not use, if the package is damaged.



Do not re-sterilize

Implantable devices labeled with “Do not re-sterilize” symbol must not be re-sterilized because re-sterilization may compromise the structural integrity of the device and/or may lead to device failure and/or in multipart devices re-sterilization cannot be guaranteed due to initial sterilization in a sterile assembly site.

## Single-use device



Do not re-use

Products intended for single-use must not be re-used.

Re-use or reprocessing (e.g. cleaning and re-sterilization) may compromise the structural integrity of the device and/or lead to device failure which may result in patient injury, illness or death.

Furthermore, reuse or reprocessing of single-use devices may create a risk of contamination e.g. due to the transmission of infectious material from one patient to another. This could result in injury or death of the patient or user.

Contaminated implants must not be reprocessed. Any Synthes implant that has been contaminated by blood, tissue, and/or bodily fluids/matter should never be used again and should be handled according to hospital protocol. Even though they may appear undamaged, the implants may have small defects and internal stress patterns that may cause material fatigue.

## Precautions

For general precautions consult “Important Information”.

For application specific precautions related to Plate and Screw Implants it is mandatory to consult the corresponding Surgical Technique Guide ([www.depuysynthes.com/ifu](http://www.depuysynthes.com/ifu)) of the product system being used.

## Warnings

For general warnings consult “Important Information”.

For application specific warnings related to Plate and Screw Implants it is mandatory to consult the corresponding Surgical Technique Guide ([www.depuysynthes.com/ifu](http://www.depuysynthes.com/ifu)) of the product system being used.

## Combination of medical devices

Synthes has not tested compatibility with devices provided by other manufacturers and assumes no liability in such instances.

## Magnetic Resonance environment

When a device has been evaluated for use in the MR environment, MRI information will be found in the surgical technique at [www.depuysynthes.com/ifu](http://www.depuysynthes.com/ifu).

## Treatment before device is used

Synthes products supplied in a non-sterile condition must be cleaned and steam-sterilized prior to surgical use. Prior to cleaning, remove all original packaging. Prior to steam-sterilization, place the product in an approved wrap or container. Follow the cleaning and sterilization instruction given by the Synthes “Important Information”.

## Processing/reprocessing of the device

Detailed instructions for processing of implants and reprocessing of reusable devices, instrument trays and cases are described in the Synthes brochure “Important Information”. Assembly and disassembly instructions of instruments “Dismantling multipart instruments” can be downloaded from <http://emea.depuysynthes.com/hcp/reprocessing-care-maintenance>

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