

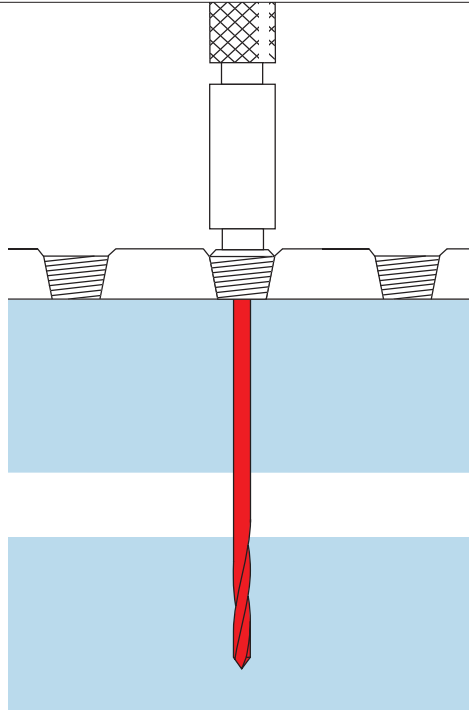
# 3.5 mm Conical Screws and 5.0 mm Cannulated Conical Screws.

For interfragmentary compression  
through locking holes.

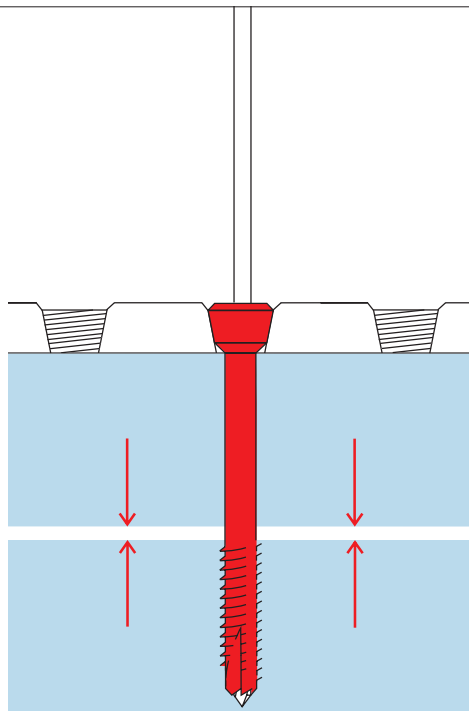
Handling Technique



## 1



## 2



## 5.0 mm Cannulated Conical Screws

### Insert guide wire

#### Instruments

324.174	Wire Guide 5.0, for Guide Wire $\varnothing$ 2.5 mm
310.243	Guide Wire $\varnothing$ 2.5 mm with threaded tip with trocar
319.701	Measuring Device for Cannulated Screws 5.0 and 7.3 mm

#### Optional

310.634	Drill Bit $\varnothing$ 4.3 mm, cannulated, with Quick Coupling
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Screw the wire guide into one of the locking holes. Insert the guide wire through the wire guide. Measure for screw length using the measuring device.

### Insert cannulated conical screw to achieve interfragmentary compression

#### Instruments

314.230	Screwdriver Shaft, hexagonal, cannulated
314.050	Screwdriver, hexagonal, cannulated

Remove the wire guide with the cannulated screwdriver. Insert a cannulated conical screw that is approximately 5 mm shorter than the measured length over the guide wire to achieve interfragmentary compression. Manually tighten the screw.

## 3.5 mm Conical Screws

without guide wire

### Predrill screw hole

#### Instruments

310.284	LCP Drill Bit $\varnothing$ 2.8 mm with Stop, for Quick Coupling
323.027	LCP Drill Sleeve 3.5, for Drill Bits $\varnothing$ 2.8 mm

Drill screw hole and ensure proper screw placement using image intensification. Determine drill depth by reading it off the calibrated drill bit.

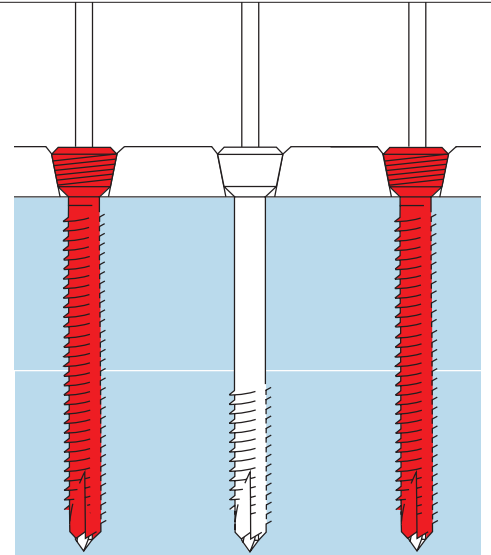
### Insert conical screw to achieve interfragmentary compression

#### Instruments

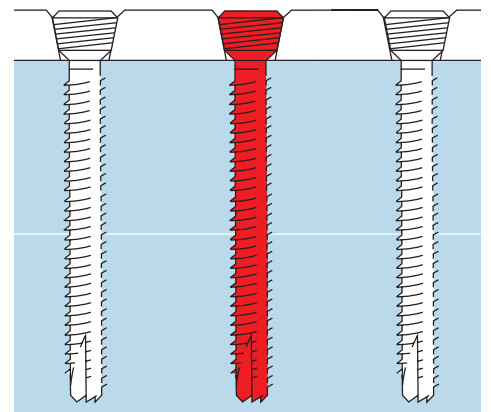
314.041	Screwdriver Stardrive 3.5, T15, with Groove
or	
314.070	Screwdriver, hexagonal, small, $\varnothing$ 2.5 mm, with Groove

Insert a conical screw that is approximately 5 mm shorter than the measurement from the calibrated drill bit. Tighten the conical screw manually to achieve interfragmentary compression.

3



4



## 5.0 mm Cannulated Conical Screws

### Secure compression with cannulated locking screws

#### Instruments

324.174	Wire Guide 5.0, for Guide Wire Ø 2.5 mm
310.243	Guide Wire Ø 2.5 mm with threaded tip with trocar
319.701	Measuring Device for Cannulated Screws Ø 5.0 and 7.3 mm
314.230	Screwdriver Shaft, hexagonal, cannulated
314.050	Screwdriver, hexagonal, cannulated
511.771	Torque Limiter, 4 Nm, for Compact Air Drive and Power Drive
or	
511.774	Torque Limiter, 4 Nm, for AO/ASIF Quick Coupling

Screw wire guides into the remaining locking holes. Insert guide wires through these wire guides to the desired screw tip location. Use the measuring device to measure for screw length. Remove the wire guides with the cannulated screwdriver and insert 5.0 mm cannulated locking screws with a power tool using the torque limiter and cannulated screwdriver shaft. Final tightening, however, must be done by hand using the cannulated screwdriver.

### Replace conical screw with locking screw

Once the locking screws are securely locked to the plate, the cannulated conical screw may be replaced with a cannulated locking screw using the technique described in step 3.

## 3.5 mm Conical Screws without guide wire

### Secure compression with locking screws

#### Instruments

310.284	LCP Drill Bit Ø 2.8 mm with Stop, for Quick Coupling
323.027	LCP Drill Sleeve 3.5, for Drill Bits Ø 2.8 mm
511.770	Torque Limiter, 1.5 Nm, for Compact Air Drive and Power Drive
or	
511.773	Torque Limiter, 1.5 Nm, for AO/ASIF Quick Coupling
314.116	Screwdriver Shaft Stardrive 3.5, T15, self-holding, for AO/ASIF Quick Coupling
or	
314.030	Screwdriver Shaft, hexagonal, small, Ø 2.5 mm

Attach the drill sleeve to the other holes and use the drill bit to drill through the drill sleeve. Determine drill depth by reading it off the calibrated drill bit. To maintain compression insert 3.5 mm locking screws into the other locking holes using a torque limiter. Perform final tightening by hand.

### Replace conical screw with locking screw

Once the locking screws are securely locked to the plate, the conical screw may be replaced with a locking screw using the technique described in step 3.

#### Important

- When inserting a locking screw after a conical screw, make sure that the thread in the plate hole is undamaged.
- Conical screws are designed for locking holes. Do not use them in dynamic compression holes.
- Angular stability cannot be achieved with conical screws.

## 3.5 mm Conical Screws and 5.0 mm Cannulated Conical Screws.

For interfragmentary compression  
through locking holes.

- For interfragmentary compression in the metaphysis
- Specially designed for locking holes

### 3.5 mm Conical Screws

Used with the standard  
LCP Small Fragment Instrumentation

#### Conical screw head without thread

For interfragmentary compression  
through locking holes

#### 3.5 mm shaft thread

- Same shaft diameter and pitch as  
corresponding locking screw
- Thread length of the 3.5 mm partially  
threaded and 5.0 mm cannulated  
conical screws is 25 mm

#### Partially or fully threaded

For treating a wide range of indications

### 5.0 mm Cannulated Conical Screws

Used with the Periarticular  
and standard LCP Large Fragment  
Instrumentation

#### Cannulation

Precise placement of the screw by  
controlled insertion over a guide wire

#### 5.0 mm shaft thread

- Same shaft diameter and pitch as  
corresponding locking screw
- Thread length of the 3.5 mm  
partially threaded and 5.0 mm  
cannulated conical screws is 25 mm

#### Self-drilling, self-tapping tip

Quick and easy application

#### ∅ 2.5 mm guide wire

For guided screw insertion



# 3.5 mm Conical Screws and 5.0 mm Cannulated Conical Screws.

For interfragmentary compression  
through locking holes.

## Ordering information

### Conical Screws $\varnothing$ 3.5 mm



Length (mm)	Hex		Stardrive	
	Partially threaded	Fully threaded	Partially threaded	Fully threaded
40	X12.467	X12.367	X12.417	X12.317
45	X12.469	X12.369	X12.419	X12.319
50	X12.471	X12.371	X12.421	X12.321
55	X12.473	X12.373	X12.423	X12.323
60	X12.474	X12.374	X12.424	X12.324
65	X12.475	X12.375	X12.425	X12.325
70	X12.476	X12.376	X12.426	X12.326
75	X12.477	X12.377	X12.427	X12.327
80	X12.478	X12.378	X12.428	X12.328
85	X12.479	X12.379	X12.429	X12.329
90	X12.480	X12.380	X12.430	X12.330
95	X12.481	X12.381	X12.431	X12.331

X=2: stainless steel  
X=4: TAN

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

### Cannulated Conical Screws $\varnothing$ 5.0 mm

● Partially threaded, with Hex drive



Art. No.	Length (mm)
0X.205.240	40
0X.205.245	45
0X.205.250	50
0X.205.255	55
0X.205.260	60
0X.205.265	65
0X.205.270	70
0X.205.275	75
0X.205.280	80
0X.205.285	85
0X.205.290	90
0X.205.295	95

### Screws racks

68.120.402 Insert for Screws  $\varnothing$  3.5 mm (Locking Screws and Conical Screws)

68.120.450 Sterilizing Tray for Cannulated Conical Screws and Cannulated Locking Screws  
 $\varnothing$  5.0 und 7.3 mm

### Additionally required instruments for Cannulated Conical Screws $\varnothing$ 5.0 mm

01.120.021 Periarticular Instrument Set in Vario Case

### Additionally available

X22.578



Screw Nut  $\varnothing$  5.0 mm

- Offers additional fixation and compression options for complex fractures
- Internal threads mate with the 5.0 mm cannulated conical screws
- See the Synthes LCP Condylar Plate technique guide (Art. No. 036.000.727) for more information on the use of the screw nut