

# Cannulated Percutaneous Guiding System.

For percutaneous placement of 3.5 mm pelvic and cortex screws in the pelvic area.

## Technique Guide



This publication is not intended for distribution in the USA.

Instruments and implants approved by the AO Foundation.





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 Image intensifier control

## **Warning**

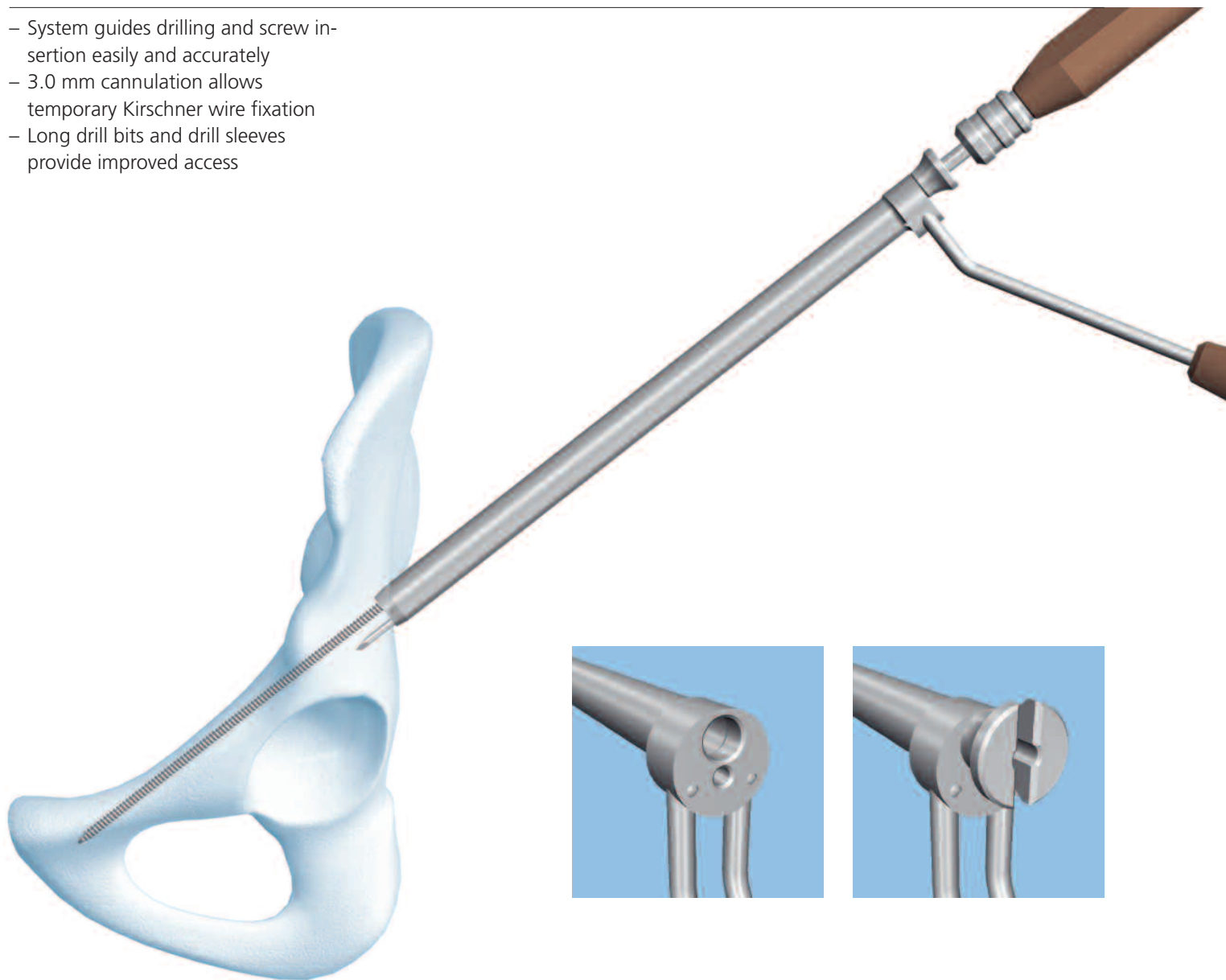
This description alone does not provide sufficient background for direct use of the product. Instruction by a surgeon experienced in handling this product is highly recommended.

## **Processing, Reprocessing, Care and Maintenance**

For general guidelines, function control and dismantling of multi-part instruments, as well as processing guidelines for implants, please contact your local sales representative or refer to: [www.synthes.com/reprocessing](http://www.synthes.com/reprocessing)  
For general information about reprocessing, care and maintenance of Synthes reusable devices, instrument trays and cases, as well as processing of Synthes non-sterile implants, please consult the Important Information leaflet (SE\_023827) or refer to: [www.synthes.com/reprocessing](http://www.synthes.com/reprocessing)

# Cannulated Percutaneous Guiding System

- System guides drilling and screw insertion easily and accurately
- 3.0 mm cannulation allows temporary Kirschner wire fixation
- Long drill bits and drill sleeves provide improved access



## 1

### Preparation

Determine the entry point of the screw and dissect.

## 2

### Insert Kirschner wire

#### Instruments

292.260	Kirschner Wire Ø 2.5 mm with trocar tip, length 280 mm, Stainless Steel
292.680	Guide Wire Ø 2.8 mm with threaded tip with trocar, length 300 mm
292.699	Kirschner Wire Ø 2.0 mm with threaded tip, length 280 mm

Insert a Kirschner wire or guide wire approximately 1–2 cm into the bone while controlling the correct direction. Be aware that the entry point of the Kirschner wire lies about 5 mm beneath the entry point of the screw.



### 3

#### Insert handle

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#### Instrument

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03.100.140	Cannulated Percutaneous Guiding System
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Insert the cannulated percutaneous guiding system over the Kirschner wire and bring it into contact with the bony surface.



### 4

#### Cut Kirschner wire

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#### Instrument

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391.930	Wire Cutter, large, with multiplication, length 220 mm
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To facilitate drilling and screw insertion, cut off the excess Kirschner wire using the wire cutter.



## 5

### Predrill and determine screw length

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#### Instruments

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03.100.140	Cannulated Percutaneous Guiding System
03.100.141	Drill Sleeve 2.5 mm, for Cannulated Percutaneous Guiding System
397.342	Drill Bit $\varnothing$ 2.5 mm, calibrated, length 400 mm

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Insert the 2.5 mm drill sleeve. Pre-drill with the 2.5 mm drill bit.

- Note:** Control the direction of the drill bit under image intensification. Ensure the drill remains within the bony channel to avoid damage to surrounding structures.

Read the screw length from the calibration mark at the end of the drill sleeve.

#### *Optional step: Overdrill*

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#### Optional Instruments

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03.100.142	Drill Sleeve 3.5 mm, for Cannulated Percutaneous Guiding System
397.343	Drill Bit $\varnothing$ 3.5 mm, length 380 mm, for Percutaneous Guiding Instrument No. 397.340

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To overdrill for gliding holes, use the 3.5 mm drill bit through the 3.5 mm drill sleeve.



**6****Insert screw****Instruments**








03.100.032	Ratcheting Handle with AO/ASIF Quick Coupling
03.100.033	Screwdriver Shaft, hexagonal, for Screws $\varnothing$ 3.5 mm, length 250 mm
03.100.045	Screwdriver Shaft Stardrive 3.5, T15, length 250 mm, for AO/ASIF Quick Coupling
311.431	Handle with Quick Coupling



Insert a 3.5 mm self-tapping pelvic or cortex screw, using the screwdriver shaft and handle. Remove the Cannulated Percutaneous Guiding System and the K-wire.



# Instruments

292.260	Kirschner Wire Ø 2.5 mm with trocar tip, length 280 mm, Stainless Steel	
292.680	Guide Wire Ø 2.8 mm with threaded tip with trocar, length 300 mm, for cannulated Screws Ø 6.5 and 7.3 mm, Stainless Steel	
292.699	Kirschner Wire Ø 2.0 mm with threaded tip, length 280 mm, Stainless Steel	
03.100.032	Ratcheting Handle with AO/ASIF Quick Coupling	
03.100.033	Screwdriver Shaft, hexagonal, for Screws Ø 3.5 mm, length 250 mm	
03.100.045	Screwdriver Shaft Stardrive 3.5, T15, length 250 mm, for AO/ASIF Quick Coupling	
03.100.140	Cannulated Percutaneous Guiding System	

03.100.141 Drill Sleeve 2.5 mm, for Cannulated Percutaneous Guiding System



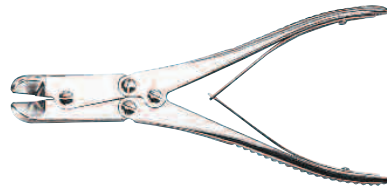
03.100.142 Drill Sleeve 3.5 mm, for Cannulated Percutaneous Guiding System



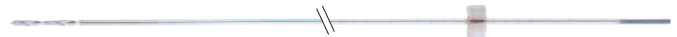
311.431 Handle with Quick Coupling



391.930 Wire Cutter, large, with multiplication, length 220 mm



397.342 Drill Bit Ø 2.5 mm, calibrated, length 400 mm, for Percutaneous Guiding Instrument No. 397.340



397.343 Drill Bit Ø 3.5 mm, length 380 mm, for Percutaneous Guiding Instrument No. 397.340



# System Components

Art. No.	Description	Units	Also available	
68.100.001	Modular Tray for Cannulated Percutaneous Guiding System	1	68.000.101	Lid for Instrument Tray, size 1/1
68.100.002	Labelling Clip for Cannulated Percutaneous Guiding System	1	689.508	Vario Case, Framing, size 1/1, height 45 mm
			689.507	Lid (Stainless Steel), size 1/1, for Vario Case

The following instruments fit into 68.100.001:

03.100.140	Cannulated Percutaneous Guiding System	1
292.680	Guide Wire Ø 2.8 mm with threaded tip with trocar, length 300 mm	10
292.260	Kirschner Wire Ø 2.5 mm with trocar tip, length 280 mm	10
or		
292.699	Kirschner Wire Ø 2.0 mm with threaded tip, length 280 mm	10
03.100.141	Drill Sleeve 2.5 mm, for CPGS	1
03.100.142	Drill Sleeve 3.5 mm, for CPGS	1
391.930	Wire Cutter, length 220 mm	1
03.100.045	Screwdriver Shaft Stardrive 3.5, T15, length 250 mm	1
or		
03.100.033	Screwdriver Shaft, hex, for Screws Ø 3.5 mm, length 250 mm	1
397.343	Drill Bit Ø 3.5 mm, length 380 mm	1
397.342	Drill Bit Ø 2.5 mm, length 400 mm	1
03.100.032	Ratcheting Handle with AO/ASIF Quick Coupling	1
or		
311.431	Handle with Quick Coupling	1



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