

# Cannulated Screws 2.0-7.5

Surgical Technique



Also  
available in  
**STERILE**

## Disclaimer

This surgical technique is solely for the use of medical professionals, particularly physicians, and therefore cannot be regarded as a source of information for non-medical persons. The description of this surgical technique does not constitute medical advice or medical recommendations nor does it convey any diagnostic or therapeutic information on individual cases. Therefore, the attending physician is fully responsible for instructing and obtaining the informed consent of the patient which this surgical technique cannot supersede.

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# Introduction

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The development of cannulated screw systems took into particular account the need for secure primary fixation of the bone fragments. The use of K-wires considerably simplifies the preliminary fixation of bone fragments and the accurate insertion of the screw. The outstanding features of the aap cannulated screw system offer various advantages to the surgeon, resulting in a time-saving and safe operation.

For fractures and joint reconstructions cannulated screws can be used as minimal invasive osteosynthesis. Thereby isolated fractures may be treated with cannulated screws. For complex fractures cannulated screws can be used as additive osteosynthesis together with other implants such as nails, plates, fixateur externe.

## Tray for screws and Instruments

The screw sets, for small and large cannulated screws, have a compact design. The small cannulated screw set provides the surgeon with a tray containing

- the screw racks
- the instruments and
- the K-wires

for a choice of 5 screw sizes.

The large screw set has also been designed as a user-friendly system, consisting of one tray for implants and the appropriate instruments (CS 5.8 & CS 6.5) respectively one tray for implants and instrumentation (CS 7.5).

The screws have been anodized in different colors (according to diameter) to ensure accurate differentiation between the various screw diameters and to facilitate the course of the operation. The respective instruments have the same color-coding.

## Material

The cannulated screws are manufactured using high-quality materials, which have been proven to be successful in medical technology for decades. The cannulated screws are made of titanium alloy.

All materials employed comply with national and international standards. They are characterized by good biocompatibility, a high degree of safety against allergic reactions and good mechanical properties.

# Introduction

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## Features

- Self-drilling: Because of its sharp cutting tips, the screw drills easily and securely into the bone without pre-drilling. This eliminates the drilling step and prevents over-drilling and loosening of the guide-wires due to excessive drill depth. Pre-drilling with a twist drill is only needed for extremely hard compact bone (e.g. pediatric or sclerotic bones) or for insertion at steep angles
- Self-tapping, forward: Reduces the number of instruments and procedural steps needed by eliminating the thread tap
- Self-tapping, reverse: Facilitates implant removal, even after the implant has been in situ for longer periods of time, thus minimizing the risk of implant failure following screw removal
- Color-coded screws: For easier identification of screw diameter and the respective instruments (only for small cannulated screws)
- Flat-headed screw: The head of the screw protrudes only slightly from the bone. If necessary, the head of the screw can be set lower with the countersink
- Guide wires have directional stability due to increased diameters
- Primary fixation by guide wire can be easily repeated if reduction is unsatisfactory
- $\varnothing 2.0$  -  $\varnothing 3.5$ mm cannulated screws with cortical thread
- $\varnothing 4.0$  -  $\varnothing 7.5$ mm cannulated screws with cancellous thread

## Processing (Sterilization & Cleaning)

aap markets unsterilized and sterile products. Unsterilized products are appropriately labeled and must be appropriately processed before use (see Instructions for Use, chapter "Processing of products").

Never use damaged implants or implants from damaged packaging.

## Cleaning of Instruments

To ensure faultless instrument performance, the cannulated instruments must be cleaned thoroughly prior to every resterilization.

Cannulated accessories must be cleaned regularly during surgery using a cleaning wire to ensure that an accumulation of tissue residue in the lumen does not impair function.

## MRI Safety Information

Non-clinical testing has demonstrated that the aap screws and washers are **MR Conditional**. Further information is included in the Instructions for Use that are enclosed with the products.



## Intended Use

### Cannulated screws 2.0 – 7.5

Cannulated screws serve to fix and reposition bone fragments in screw osteosynthesis. Fragments prefixed with a K-wire can be safely fixed in place with the cannulated screw without reduction loss. Cannulated screws can be used together with washers to distribute the compression forces under the screw head over a larger surface area.

### Washers

Washers are used in combination with cannulated screws and standard screws for the following purpose: To distribute the pressure exerted by the screw head on the bone over a larger surface area to prevent the head of the screw from sinking into the bone.

## Indications for Use

### Cannulated screws $\varnothing$ 2.0 – 7.5 mm

The screw size must be chosen to match the fracture area

- minimally invasive fracture/joint reconstruction
- additive osteosynthesis in complex joint fractures
- multi-fragment intra-articular fractures
- femoral neck and femoral head fractures
- supracondylar femoral fractures
- tibial plateau fractures
- simple metaphyseal fractures
- simple epiphyseal fractures such as:
  - fractures of the humeral head
  - fractures of the tibial head
  - Cooper's fractures of the tibia
  - fractures of the radius
- fractures of the wrist, ankle, elbow, and shoulder
- shaft fractures as well as condylar fractures of the proximal, middle and distal phalanges
- unstable scaphoid fractures
- Bennett's fractures
- dislocated fractures of the radial head
- arthrodesis of small joints
- osteotomy fixation
- scaphoid fractures and other fractures of the hand
- metatarsal fractures and other fractures of the foot
- ligament fixation at the proximal humerus
- acetabular fractures
- fractures of the dorsal pelvic ring
- condylar fractures
- pediatric epiphyseal and metaphyseal fractures
- torn ligament injuries
- fractures of the small joint bones, such as:
  - malleolar fractures
  - navicular fractures
- fractures of the calcaneus and talus
- arthrodeses of the foot joint
- avulsion fractures and fifth metatarsal
- fractures of the tarsal region

### Washers

Used in combination with cannulated screws and standard screws for the following purpose: To distribute the pressure exerted by the screw head on the bone over a larger surface area to prevent the head of the screw from sinking into the bone.

# Introduction

## Absolute Contraindications

- Infection of inflammation (local or systemic)
- Allergies to the implant material
- Acute or chronic osteomyelitis at or close to the surgical field
- Unacceptably high anesthesia risk
- Severe soft tissue swelling compromising normal wound healing
- Insufficient soft tissue coverage
- Fractures in children and adolescents with epiphyseal plates that are not yet ossified

### Caution

aap products are not approved for the spine.

## Typical Applications

Cannulated screws can be used as in minimally invasive osteosynthesis and joint reconstruction. Typical anatomies for application are given in the following table:

	Cannulated Screws ø [mm]							
	2.0	2.7	3.5	4.0	4.5	5.8	6.5	7.5
▶ Glenoid and humeral head		•	•	•	•			
▶ Elbow joint		•	•	•	•			
▶ Distal radius		•	•	•				
▶ Carpal (scaphoid)		•						
▶ Sacroiliac joint, sacrum						•	•	•
▶ Pelvis, acetabulum					•	•		
▶ Femoral neck							•	•
▶ Supracondylar fractures of the femur					•	•	•	•
▶ Tibial head					•	•	•	•
▶ Pilon tibiale			•	•	•			
▶ Upper ankle joint			•	•	•			
▶ Midfoot		•	•	•				
▶ Ligament avulsion injuries (apophysis)	•		•	•	•			
▶ Calcaneus and talus			•	•	•		•	•
▶ Arthrodeses of the upper & lower ankle joint						•	•	
▶ Phalanges	•							

# Overview Cannulated Screws

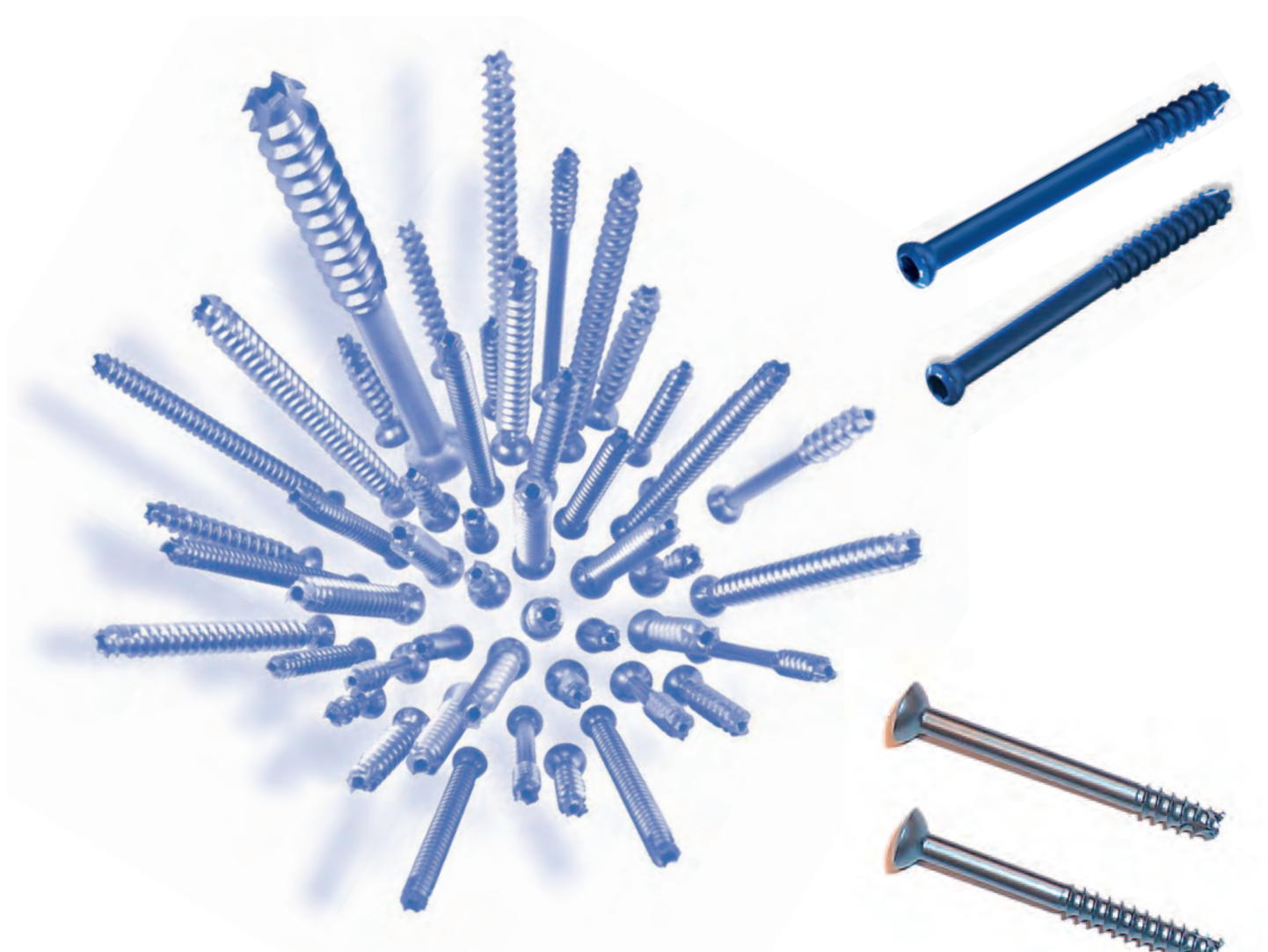
Cortical

Cancellous

			Length [mm]	Drill $\varnothing$ [mm]	K-wire $\varnothing$ [mm]
Cortical	2.0	Short thread Long thread	17-24 8-24	Thread hole 1.7 Gliding hole 2.0	0.8
	2.7	Short thread Long thread	10-30 14-32	Thread hole 2.0 Gliding hole 2.7	1.2
	3.5	Partial thread Full thread	10-60 10-60	Thread hole 2.7 Gliding hole 3.5	1.2
	4.0	Partial thread Full thread	10-60 10-60	Thread hole 2.5 Gliding hole 4.0	1.2
Cancellous	4.5	6 mm thread Partial thread Full thread	20-72 20-72 20-72	Thread hole 3.0 Gliding hole 4.5	1.6
	5.8	16 mm thread	30-100	Thread hole 4.3	2.0
	6.5	16 mm thread 32 mm thread Full thread	35-120 45-120 35-120	Thread hole 4.4	2.5
	7.5	8 mm thread 16 mm thread 32 mm thread Full thread	30-130 30-130 45-130 30-130	Thread hole 5.0	3.0



## Cannulated Screws ø 2.0/2.7 mm



## Preoperative Planning

The following criteria must be taken into consideration during preoperative planning to ensure successful use of the cannulated screws: fracture site, choice of implant, implant position and knowledge of the surgical technique.

## Surgical Technique

### 1. Inserting guide wire:

- Insert a K-wire using the wire guide at the intended angle and position (final position of the screw). Use gentle and steady pressure to avoid bending the guide wire.
- In case of dense bone penetrate the proximal cortex with a drill.

#### ◆ NOTE:

Always use a pre-measured K-wire. Manufacturing tolerances may influence the indicated measurement and thus the choice of the right screw length.



### 2. Pre-drilling (optional):

- Pre-drilling is recommended for hard bones to prevent a damage of the screw during insertion as well as a loss of reduction due to the applied forces.
- Use the cannulated drill bit and the respective drill sleeve. In order to avoid damaging the drill or K-wire use low speed or drill manually using the cannulated handle. Apply pressure continuously.



### 3. Countersinking screw head (optional):

- When soft-tissue coverage and/or screw position demand a further recess of the screw head use the countersink with the enclosed cannulated handle.
- This step should be done before measuring as it affects the correct reading.



## 4. Measuring screw length:

- Slide the direct measuring device over the K-wire down to the bone.
- This provides a direct reading of the screw length on the scale.

◆ **NOTE:**  
Consider potential deviations through compression and the use of washers.



## 5. Inserting screw:

- Assemble the appropriate screwdriver bit to the cannulated handle. Slide screw and the assembled screwdriver over the K-wire onto the bone. Insert the screw by turning the screwdriver clockwise. Remove and discard the K-wire.

◆ **CAUTION:**  
Single-use products like K-wires or drills marked accordingly have to be discarded after use.



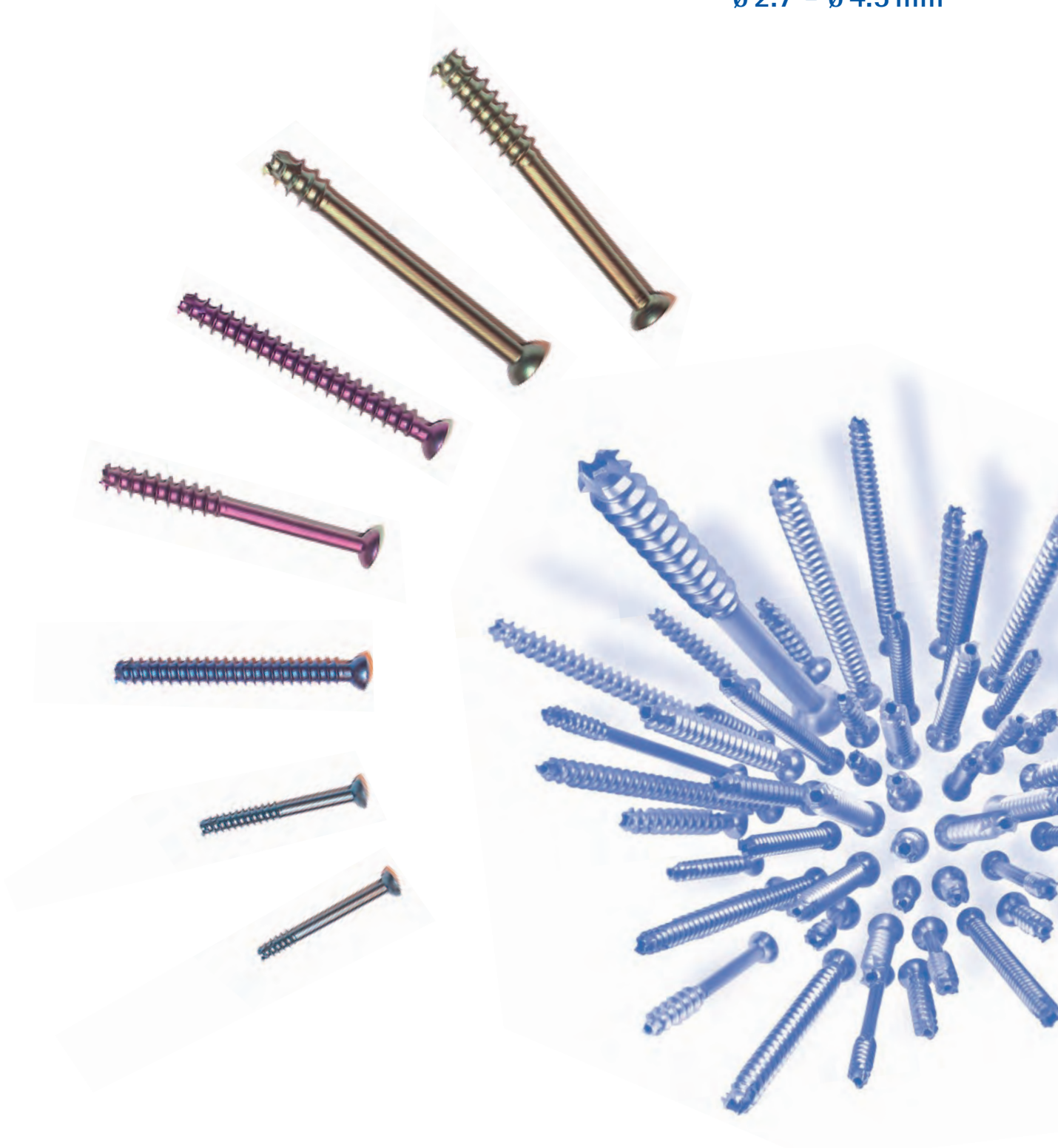
## Additional Notes

- To obtain rotational stability place a second K-wire using the wire guide (fig. right)
- Always insert the screws manually (especially  $\varnothing 2.0$ ). Using a power driver is not recommended.
- Countersink or pre-drill the proximal cortex if the angle of approach is rather steep. Preferably all screw tips should grip simultaneously to avoid damaging the screw.
- For replacement of a screw during surgery select a longer screw or larger diameter to prevent a loss of stability in the bone.





## Cannulated Screws ø 2.7 - ø 4.5 mm



# Surgical Technique CS 2.7-4.5

## Preoperative Planning

The following criteria must be taken into consideration during preoperative planning to ensure successful use of the cannulated screws: fracture site, choice of implant, implant position and knowledge of the surgical technique.

## Surgical Technique

- Stab incision for insertion of the tissue protection sleeve
- Insert tissue protection sleeve, fitted with obturator, down to the bone
- Fracture reposition and preliminary fixation with K-wire under fluoroscopy
- Replacement of K-wire if fracture reposition is not satisfactory

◆ **NOTE:**  
The position of the K-wire defines the final position of the cannulated screw in the bone.

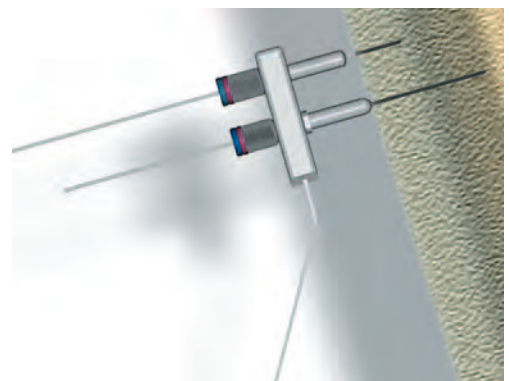
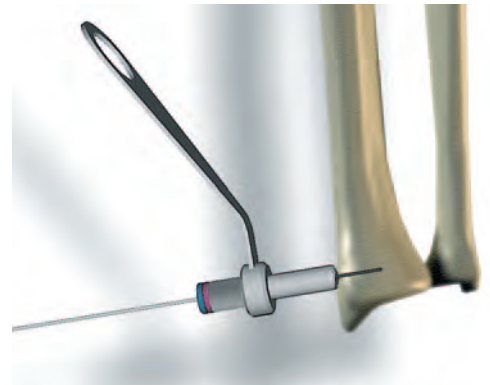
◆ **CAUTION:**  
High compressive forces may lead to a deflection of the wire. Therefore the risk of breakage is higher.

Following successful reposition:

- Remove the obturator
- Unscrew the retaining nut of the parallel drill guide insert
- Place parallel drill guide into the longitudinal groove and secure with the retaining nut
- Advance parallel drill guide with application along the guide wire

◆ **NOTE:**  
If the fracture has a straight course, use of a parallel drill guide is recommended when placing a second K-wire.

- Fix desired position by moving the parallel drill guide insert
- Secure parallel drill guide insert by tightening the retaining nut
- Insert obturator into the round hole





# Surgical Technique CS 2.7-4.5

Further procedure for cannulated screw implantation as described below:

◆ **NOTE:**

The rule for all cannulated screws is that pre-drilling is obligatory for pediatric or sclerotic bones. The procedure is as follows:

- Remove obturator
- Insert appropriate drill sleeve into tissue protection sleeve (for  $\varnothing 3.5$ mm cannulated screws, use drill sleeve for threaded hole)
- Pre-drill bone via the K-wire

◆ **NOTE:**

Pre-drill with low speed and steady compression to avoid damaging the K-wire or the drill.

◆ **NOTE:**

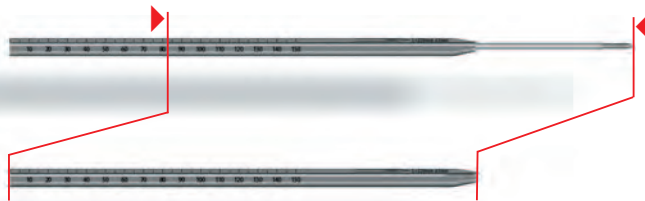
Drill depth equals screw length minus 5 mm - do not over drill the guide wire!

- Remove drill and drill sleeve

◆ **NOTE:**

For lag screw technique with a  $\varnothing 3.5$  fully threaded cannulated screw, use  $\varnothing 3.5$  mm drill provided in the set.

- Determine screw length by using the appropriate direct measuring device along the pre-measured K-wire (differential measurement)



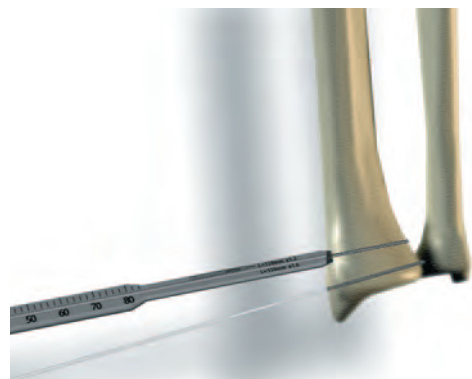
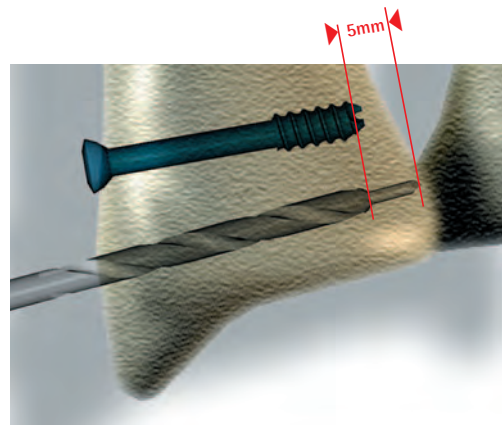
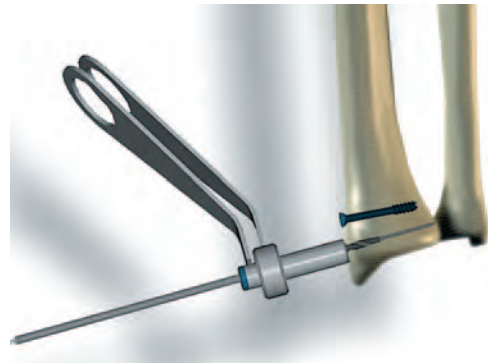
- Slide the selected screw and screwdriver over the K-wire onto the bone.
- Insert the screw by turning the screwdriver clockwise using gentle pressure.

◆ **CAUTION:**

Avoid excessive force when turning the screw. Take note of the bone structure. Avoid rotational dislocation of the secured fragments.

◆ **NOTE:**

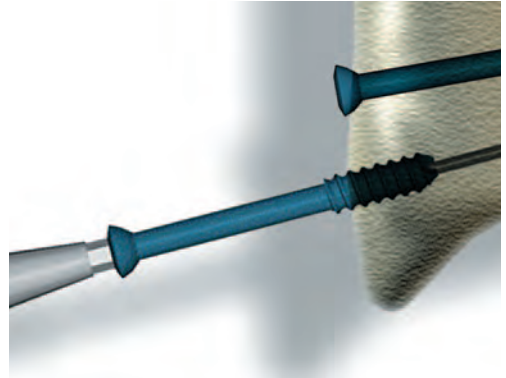
The use of washers stops the screw penetrating the bone too far and reduces tension peaks between the head of the screw and the bone.



# Surgical Technique CS 2.7-4.5

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- ◆ **NOTE:**  
The countersink may be used where soft tissue coverage is minimal.
- ◆ **NOTE:**  
For replacement of a screw during surgery select a longer screw or larger diameter to prevent a loss of stability in the bone.
- Remove and discard the K-wire
- ◆ **NOTE:**  
Single-use products like K-wires or drills marked accordingly have to be discarded after use.
- Wound closure





## Cannulated Screws ø 5.8 - ø 7.5mm



# Surgical Technique CS 5.8-7.5

## Preoperative Planning

The following criteria must be taken into consideration during preoperative planning to ensure successful use of the cannulated screws: fracture site, choice of implant, implant position and knowledge of the surgical technique.

## Surgical Technique

- Stab incision for insertion of the tissue protection sleeve
- Insert tissue protection sleeve, fitted with obturator, down to the bone
- Fracture reposition and preliminary fixation with K-wire under fluoroscopy
- Replacement of wires if fracture position is not satisfactory

◆ **NOTE:**  
The position of the K-wire defines the final position of the cannulated screw in the bone.

◆ **CAUTION:**  
High compressive forces may lead to a deflection of the wire. Therefore the risk of breakage is higher.

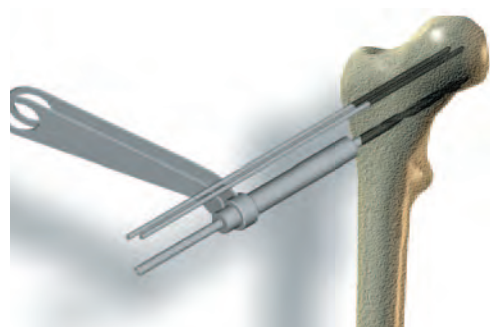
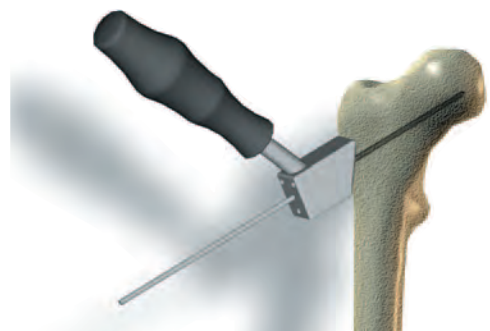
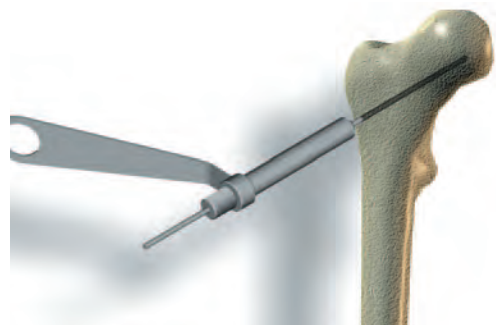
Following successful reposition:

- Remove the obturator
- ◆ **NOTE:**  
If possible, use the parallel drill guide when placing any additional K-wires.
- Advance parallel drill guide along K-wire
- Place additional K-wires through the parallel drill guide canulations and remove the instrument

◆ **NOTE:**  
For biomechanical reasons, when fixing the femoral neck with three screws, always use two screws on top and one screw below. Washers can be used with the upper screws to prevent sinkage of the screw head if the cortical bone is thin or damaged.

◆ **NOTE:**  
The rule for all cannulated screws is that pre-drilling is obligatory for pediatric or sclerotic bones. The procedure is as follows:

- Insert appropriate drill sleeve into tissue protection sleeve
- Pre-drill bone via the K-wire



# Surgical Technique CS 5.8–7.5

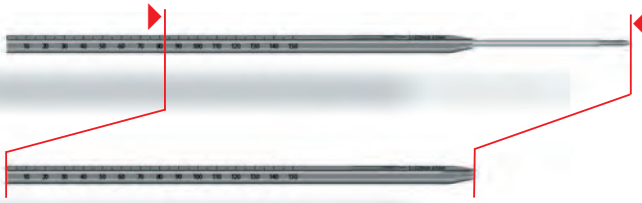
◆ **NOTE:**

Pre-drill with low speed and steady compression to avoid damaging the K-wire or the drill.

◆ **NOTE:**

Drill depth equals screw length minus 5 mm – do not drill deeper than the guide wire!

- Remove drill and drill sleeve
- Determine screw length by using the appropriate measuring device along the pre-measured K-wire (differential measurement)



- Drive the screw clockwise into the bone using gentle pressure
- Follow the same procedure to place additional screws

◆ **NOTE:**

Avoid excessive force when turning the screw. Take note of the bone structure. Avoid rotational dislocation of the secured fragments.

◆ **NOTE:**

The countersink may be used where soft tissue coverage is minimal.

◆ **NOTE:**

The use of washers stops the screw penetrating the bone too far and reduces tension peaks between the head of the screw and the bone.

◆ **NOTE:**

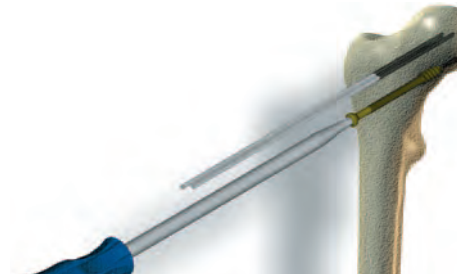
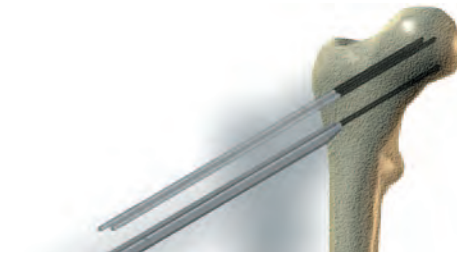
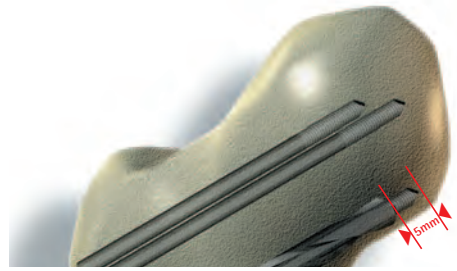
For replacement of a screw during surgery select a longer screw or larger diameter to prevent a loss of stability in the bone.

- Remove and discard the K-wire

◆ **NOTE:**

Single-use products like K-wires or drills marked accordingly have to be discarded after use.

- Wound closure



# Surgical Technique CS 5.8–7.5

## Explantation

- Stab incision in the region of the old scar
- ◆ **NOTE:**  
For screw removal a solid screwdriver should be used.
- Remove screw by unscrewing slowly and carefully
- Wound closure

FOR SCREWS $\emptyset$	SCTREWDRIIVER
2.0	T6
2.7–4–5	SW 2.5
5.8	SW 3.5
6.5/7.5	SW 5.0

For ordering explantation screwdriver please contact our customer service.

# Trays

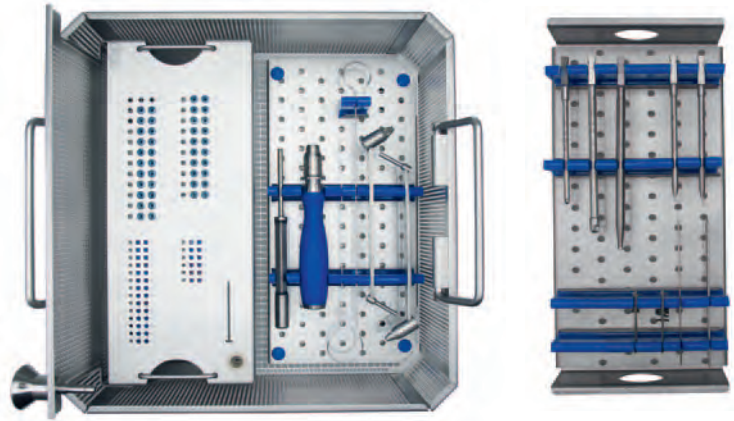
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# Complete Set 2.0/2.7

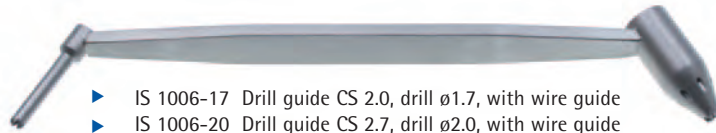
## Complete set CS 2.0/2.7 IC 2075-00



## Instrument Set CS 2.0/2.7 IC 2075-10

ARTICLE	QUANTITY	ART.-NO.
Tray for instruments CS 2.0/2.7, empty	1	IC 2075-01
Lid for trays, small	1	IC 2007-00
Screw rack CS 2.0/2.7, empty	1	IC 2051-00
Clamp for washers	2	IC 0005-00
Drill guide CS 2.0, drill $\varnothing$ 1.7, with wire guide	1	IS 1006-17
Drill guide CS 2.7, drill $\varnothing$ 2.0, with wire guide	1	IS 1006-20
Screwdriver cannul. CS 2.0, T6, quick coupling	2	IS 1205-08
Screwdriver cannul. CS 2.7, hex 2.5, quick coupling	1	IS 1205-12
Countersink CS 2.0, quick coupling	1	IS 1305-08
Countersink CS 2.7-4.5, quick coupling	1	IS 1305-16
Cleaning wire $\varnothing$ 0.8, CS 2.0	1	IS 1702-08
Cleaning wire $\varnothing$ 1.2, CS 2.7-4.0	1	IS 1702-12
Direct measuring device, L 100, close, CS 2.0	1	IS 7910-00
Small cannulated handle, quick coupling	1	IU 7704-00
Drill CS 2.0, $\varnothing$ 1.7, L 85, quick coupl., sterile, single use	1	IU 7017-05
Drill CS 2.7, $\varnothing$ 2.0, L 105, quick coupl., sterile, single use	1	IU 7020-05
K-wire with trocar point $\varnothing$ 0.8, L 100	5	NK 0008-10
K-wire with trocar point $\varnothing$ 1.2, L 100	5	NK 0012-10

# Instruments 2.0/2.7



- ▶ IS 1006-17 Drill guide CS 2.0, drill  $\varnothing$ 1.7, with wire guide
- ▶ IS 1006-20 Drill guide CS 2.7, drill  $\varnothing$ 2.0, with wire guide



- ▶ IS 1205-08 Screwdriver CS 2.0, T6, quick coupling



- ▶ IS 1205-12 Screwdriver CS 2.7, hex 2.5, quick coupling



- ▶ IS 1305-08 Countersink CS 2.0, quick coupling



- ▶ IS 1305-16 Countersink CS 2.7-4.5, quick coupling



- ▶ IS 1702-08 Cleaning wire  $\varnothing$ 0.8, CS 2.0
- ▶ IS 1702-12 Cleaning wire  $\varnothing$ 1.2, CS 2.7



- ▶ IS 7910-00 Direct measuring device, L 100, close, CS 2.0



- ▶ IU 7704-00 Small cannulated handle, quick coupling



- ▶ IU 7017-05 Drill CS 2.0,  $\varnothing$ 1.7, L 85, quick coupling, sterile, single use



- ▶ IU 7020-05 Drill CS 2.7,  $\varnothing$ 2.0, L 105, quick coupling, sterile, single use

# Cannulated Screws 2.0/2.7

## Screw rack CS 2.0/2.7 IC 2051-10

- ▶ complete



ARTICLE	ART.-NO.
Screw rack CS 2.0/2.7, empty	IC 2051-00

## CS 2.0

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	Cortical
Thread- $\emptyset$	2.0 mm
Core- $\emptyset$	1.7 mm
Stem- $\emptyset$	1.65 mm
Hole- $\emptyset$	0.9 mm
Width A/F	T6
Head- $\emptyset$	2.75 mm

LENGTH mm	QUANTITY	SHORT THREAD		LONG THREAD	
		THREAD mm	ART.-NO.	THREAD mm	ART.-NO.
8	2	-	-	4	SC 2050-08-2
10	2	-	-	4	SC 2050-10-2
11	2	-	-	5	SC 2050-11-2
12	2	-	-	5	SC 2050-12-2
13	2	-	-	6	SC 2050-13-2
14	2	-	-	6	SC 2050-14-2
15	2	-	-	6	SC 2050-15-2
16	2	-	-	7	SC 2050-16-2
17	2	5	SC 2030-17-2	8	SC 2050-17-2
18	2	5	SC 2030-18-2	8	SC 2050-18-2
19	2	5	SC 2030-19-2	9	SC 2050-19-2
20	2	5	SC 2030-20-2	9	SC 2050-20-2
22	2	5	SC 2030-22-2	10	SC 2050-22-2
24	2	6	SC 2030-24-2	10	SC 2050-24-2



# Cannulated Screws 2.0/2.7

## CS 2.7

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	Cortical
Thread- $\emptyset$	2.7 mm
Core	2.0 mm
Stem- $\emptyset$	2.0 mm
Hole- $\emptyset$	1.35 mm
Width A/F	2.5 mm
Head- $\emptyset$	5.0 mm
K-wire- $\emptyset$	1.2 mm
Drill- $\emptyset$	2.0 mm

LENGTH mm	QUANTITY	THREAD mm	SHORT THREAD		THREAD mm	LONG THREAD	
			ART.-NO. UNSTERILE	ART.-NO. STERILE		ART.-NO. UNSTERILE	ART.-NO. STERILE
10	2	4	SC 2704-10-2	SC 2730-10-2S	-	-	-
12	2	4	SC 2704-12-2	SC 2730-12-2S	-	-	-
14	2	4	SC 2704-14-2	SC 2730-14-2S	6	SC 2706-14-2	SC 2750-14-2S
16	2	4	SC 2704-16-2	SC 2730-16-2S	7	SC 2707-16-2	SC 2750-16-2S
18	2	5	SC 2705-18-2	SC 2730-18-2S	8	SC 2708-18-2	SC 2750-18-2S
20	2	5	SC 2705-20-2	SC 2730-20-2S	9	SC 2709-20-2	SC 2750-20-2S
22	2	5	SC 2705-22-2	SC 2730-22-2S	10	SC 2710-22-2	SC 2750-22-2S
24	2	6	SC 2706-24-2	SC 2730-24-2S	10	SC 2710-24-2	SC 2750-24-2S
26	2	6	SC 2706-26-2	SC 2730-26-2S	10	SC 2712-26-2	SC 2750-26-2S
28	2	6	SC 2706-28-2	SC 2730-28-2S	12	SC 2712-28-2	SC 2750-28-2S
30	2	6	SC 2706-30-2	SC 2730-30-2S	14	SC 2714-30-2	SC 2750-30-2S
32	2	-	-	-	14	SC 2714-32-2	SC 2750-32-2S

## Washer

- ▶ 5 pcs./package
- ▶ Titanium-Alloy
- ▶ IC 0005-00 staple for washers



### ◆ NOTE STERILE:

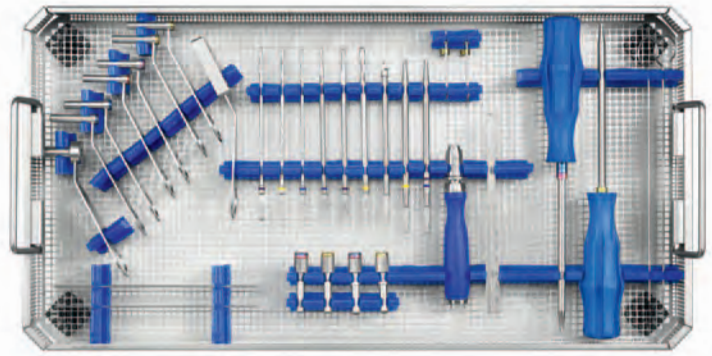
Washers are not yet available in sterile condition. Please order separately and add washers to the instrument tray, if you decide for sterile screws.

INNER- $\emptyset$ mm	OUTER- $\emptyset$ mm	QUANTITY*	ART.-NO.
2.2	4.5	5	SU 0205-00-2
4.0	8.0	5	SU 0407-00-2

\*in IC 2075-00

# Set Options CS 2.7-4.5

## Set of Instruments CS 2.7-4.5 IC 2072-10\*



ARTICLE	QUANTITY	ART.-NO.
Tray for CS 2.7-4.5, empty, Special	1	IC 2071-10
Lid for trays, large	1	IC 2008-00
ARTICLE	QUANTITY	ART.-NO.
Staple for washers	2	IC 0005-00
Tissue protection sleeve CS 2.7-4.5	1	IS 1004-00
Obturator CS 2.7-4.0	1	IS 1005-12
Obturator CS 4.5	1	IS 1005-16
Drill sleeve CS 4.0, I- $\varnothing$ 2.6	1	IS 1006-25
Drill sleeve CS 3.5, I- $\varnothing$ 2.8	1	IS 1006-27
Drill sleeve CS 4.5, I- $\varnothing$ 3.1	1	IS 1006-30
Drill sleeve CS 3.5, I- $\varnothing$ 3.6	1	IS 1006-35
Drill sleeve CS 4.0, I- $\varnothing$ 4.1	1	IS 1006-40
Drill sleeve CS 4.5, I- $\varnothing$ 4.6	1	IS 1006-45
Screwdriver cannulated CS 2.7-4.0, hexagonal $\varnothing$ 2.5	1	IS 1203-12
Screwdriver cannulated CS 4.5, hexagonal $\varnothing$ 2.5	1	IS 1203-16
Screwdriver cannulated CS 2.7-4.0, hexagonal $\varnothing$ 2.5, quick coupling	1	IS 1205-12
Screwdriver cannulated CS 4.5, hexagonal $\varnothing$ 2.5, quick coupling	1	IS 1205-16
Countersink CS 2.7-4.5, quick coupling	1	IS 1305-16
Parallel drill guide CS 3.5-4.5, basic device	1	IS 1602-00
Drill guide insert, CS 2.7-4.0	1	IS 1602-12
Drill guide insert CS 4.5	1	IS 1602-16
Cleaning wire $\varnothing$ 1.2, CS 2.7-4.0	1	IS 1702-12
Cleaning wire $\varnothing$ 1.6, CS 4.5	1	IS 1702-16
Drill CS 4.0, $\varnothing$ 2.5, L 130, quick coupling	1	IU 7025-13
Drill CS 2.7/3.5, $\varnothing$ 2.7, L 130, quick coupling	1	IU 7027-13
Drill CS 4.5, $\varnothing$ 3.0, L 130, quick coupling	1	IU 7030-13
Drill CS 3.5, $\varnothing$ 3.5, L 130, quick coupling	1	IU 7035-13
Drill CS 4.0, $\varnothing$ 4.0, L 130, quick coupling	1	IU 7040-13
Drill CS 4.5, $\varnothing$ 4.5, L 130, quick coupling	1	IU 7045-13
Small handle for quick coupling, cannulated	1	IU 7704-00
Direct measuring device, L 150, CS 2.7-4.5	1	IU 7915-02
K-wire with trocar point, $\varnothing$ 1.2, L 150	5	NK 0012-15
K-wire with trocar point and thread. $\varnothing$ 1.6, L 150	5	NK 1016-15
Washer, I- $\varnothing$ 4.0, O- $\varnothing$ 8.0, Titanium	5	SU 0407-00-2
Washer, I- $\varnothing$ 4.5, O- $\varnothing$ 8.0, Titanium	5	SU 0508-00-2

\* Please combine with screw racks (pages 17-20) or sterile implants.

## Set Options CS 2.7-4.5

### Set of Instruments CS 2.7-4.5, small IC 2072-15\*



ARTICLE	QUANTITY	ART.-NO.
Tray for instruments CS 2.7-4.5, small	1	IC 2072-16
Insert for instruments, empty	1	IC 2072-17
Lid for trays, small	1	IC 2007-00

ARTICLE	QUANTITY	ART.-NO.
Staple for washers	2	IC 0005-00
Tissue protection sleeve CS 2.7-4.5	1	IS 1004-00
Obturator CS 2.7-4.0	1	IS 1005-12
Obturator CS 4.5	1	IS 1005-16
Drill sleeve CS 4.0, I-ø2.6	1	IS 1006-25
Drill sleeve CS 3.5, I-ø2.8	1	IS 1006-27
Drill sleeve CS 4.5, I-ø3.1	1	IS 1006-30
Drill sleeve CS 3.5, I-ø3.6	1	IS 1006-35
Drill sleeve CS 4.0, I-ø4.1	1	IS 1006-40
Drill sleeve CS 4.5, I-ø4.6	1	IS 1006-45
Screwdriver cannulated CS 2.7-4.0, hexagonal ø2.5	1	IS 1203-12
Screwdriver cannulated CS 4.5, hexagonal ø2.5	1	IS 1203-16
Screwdriver cannulated CS 2.7-4.0, hexagonal ø2.5, quick coupling	1	IS 1205-12
Screwdriver cannulated CS 4.5, hexagonal ø2.5, quick coupling	1	IS 1205-16
Countersink for CS 2.7-4.5, quick coupling	1	IS 1305-16
Parallel drill guide CS 2.7-4.5, basic device	1	IS 1602-00
Drill guide insert, CS 2.7-4.0	1	IS 1602-12
Drill guide insert, CS 4.5	1	IS 1602-16
Cleaning wire ø1.2, CS 2.7-4.0	1	IS 1702-12
Cleaning wire ø1.6, CS 4.5	1	IS 1702-16
Drill CS 4.0, ø2.5, L 130, quick coupling	1	IU 7025-13
Drill CS 2.7/3.5, ø2.7, L 130, quick coupling	1	IU 7027-13
Drill CS 4.5, ø3.0, L 130, quick coupling	1	IU 7030-13
Drill CS 3.5, ø3.5, L 130, quick coupling	1	IU 7035-13
Drill CS 4.0, ø4.0, L 130, quick coupling	0	IU 7040-13
Drill CS 4.5, ø4.5, L 130, quick coupling	0	IU 7045-13
Small handle for quick coupling, cannulated	1	IU 7704-00
Direct measuring device, L 150, CS 2.7-4.5	1	IU 7915-02
K-wire with trocar point, ø1.2, L 150	5	NK 0012-15
K-wire with trocar point and thread, ø1.6, L 150	5	NK 1016-15
Washer, I-ø4.0, O-ø8.0 Titanium	5	SU 0407-00-2
Washer, I-ø4.5, O-ø8.0 Titanium	5	SU 0508-00-2

\* Please combine with screw racks (pages 17-20) or sterile implants.

## Set Options CS 2.7-4.5

### Basic Trays for Screw Racks CS 2.7-4.5



ARTICLE	ART.-NO.
Basic tray for 4 Screw racks CS 2.7-4.5, empty	IC 2073-00
Lid for trays, large	IC 2008-00
Basic tray for 2 Screw racks CS 2.7-4.5, empty	IC 2073-10
Lid for trays, small	IC 2007-00

### Instrument Set Options\*

ARTICLE	ART.-NO.
Complete Set of instruments CS 2.0/2.7/3.5, small	IC 2072-20
Complete Set of instruments CS 2.7-4.0, small	IC 2072-30
Complete Set of instruments CS 2.7/3.5/4.5, small	IC 2072-35
Set of instruments CS 3.5	IC 2075-35
Set of instruments CS 4.0	IC 2075-40
Set of instruments CS 4.5	IC 2075-45

\* Please combine with screw racks (pages 31-34) or sterile implants.

### Washer

- ▶ 5 pcs./package
- ▶ Titanium-Alloy
- ▶ IC 0005-00 staple for washers

#### ◆ NOTE STERILE:

Washers are not yet available in sterile condition. Please order separately and add washers to the instrument tray, if you decide for sterile screws.



FOR SCREWS $\emptyset$	INNER- $\emptyset$ mm	OUTER- $\emptyset$ mm	QUANTITY	ART.-NO.
2.7/3.5	4.0	8.0	5	SU 0407-00-2
4.0/4.5	4.5	8.0	5	SU 0508-00-2

# Cannulated Screws 2.7

## Screw Rack CS 2.7 IC 2041-10

- ▶ with screws
- ▶ for instrument sets see pages 14-16
- ▶ for combination SR 2.0/2.7 see p.26



ARTICLE	ART.-NO.
Screw rack for CS 2.7 with lid, empty	IC 2041-11

## CS 2.7

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	Cortical
Thread-ø	2.7 mm
Core-ø	2.0 mm
Stem-ø	2.0 mm
Hole-ø	1.35 mm
Width A/F	2.5 mm
Head-ø	5.0 mm
K-wire-ø	1.2 mm
Drill-ø	2.0 mm

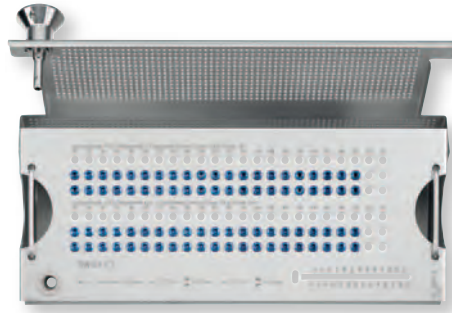
LENGTH mm	QUANTITY*	THREAD mm	SHORT THREAD		LONG THREAD		
			ART.-NO.* UNSTERILE	ART.-NO. STERILE	THREAD mm	ART.-NO. UNSTERILE	ART.-NO. STERILE
8	2	4	-	SC 2730-08-2S	-	-	-
10	2	4	SC 2704-10-2	SC 2730-10-2S	-	-	-
12	2	4	SC 2704-12-2	SC 2730-12-2S	-	-	-
14	2	4	SC 2704-14-2	SC 2730-14-2S	6	SC 2706-14-2	SC 2750-14-2S
16	2	4	SC 2704-16-2	SC 2730-16-2S	7	SC 2707-16-2	SC 2750-16-2S
18	2	5	SC 2705-18-2	SC 2730-18-2S	8	SC 2708-18-2	SC 2750-18-2S
20	2	5	SC 2705-20-2	SC 2730-20-2S	9	SC 2709-20-2	SC 2750-20-2S
22	2	5	SC 2705-22-2	SC 2730-22-2S	10	SC 2710-22-2	SC 2750-22-2S
24	2	6	SC 2706-24-2	SC 2730-24-2S	10	SC 2710-24-2	SC 2750-24-2S
26	2	6	SC 2706-26-2	SC 2730-26-2S	10	SC 2712-26-2	SC 2750-26-2S
28	2	6	SC 2706-28-2	SC 2730-28-2S	12	SC 2712-28-2	SC 2750-28-2S
30	2	6	SC 2706-30-2	SC 2730-30-2S	14	SC 2714-30-2	SC 2750-30-2S
32	2	6	-	SC 2706-32-2S	14	SC 2714-32-2	SC 2750-32-2S
34	2	7	-	SC 2706-34-2S	15	-	SC 2714-34-2S

\*in IC 2041-10

# Cannulated Screws 3.5

## Screw Rack CS 3.5 IC 2011-10

- ▶ with screws
- ▶ for instrument sets see pages 14-16



ARTICLE	ART.-NO.
Screw rack for CS 3.5 with lid, empty	IC 2011-11

## CS 3.5

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	Cortical
Thread-ø	3.5 mm
Core-ø	2.5 mm
Stem-ø	2.5 mm
Hole-ø	1.35 mm
Width A/F	2.5 mm
Head-ø	5.0 mm
K-wire-ø	1.2 mm
Drill-ø	2.7 mm

LENGTH mm	QUANTITY*	THREAD mm	SHORT THREAD			FULL THREAD	
			ART.-NO.* UNSTERILE	THREAD mm	ART.-NO. STERILE	ART.-NO.* UNSTERILE	ART.-NO. STERILE
10	2	4	SC 3504-10-2	4	SC 3530-10-2S	SC 3500-10-2	SC 3500-10-2S
12	2	4	SC 3504-12-2	4	SC 3530-12-2S	SC 3500-12-2	SC 3500-12-2S
14	2	5	SC 3505-14-2	5	SC 3530-14-2S	SC 3500-14-2	SC 3500-14-2S
16	2	5	SC 3505-16-2	5	SC 3530-16-2S	SC 3500-16-2	SC 3500-16-2S
18	2	6	SC 3506-18-2	6	SC 3530-18-2S	SC 3500-18-2	SC 3500-18-2S
20	2	7	SC 3507-20-2	7	SC 3530-20-2S	SC 3500-20-2	SC 3500-20-2S
22	2	7	SC 3507-22-2	7	SC 3530-22-2S	SC 3500-22-2	SC 3500-22-2S
24	2	8	SC 3508-24-2	8	SC 3530-24-2S	SC 3500-24-2	SC 3500-24-2S
26	2	8	SC 3508-26-2	8	SC 3530-26-2S	SC 3500-26-2	SC 3500-26-2S
28	2	9	SC 3509-28-2	9	SC 3530-28-2S	SC 3500-28-2	SC 3500-28-2S
30	2	10	SC 3510-30-2	10	SC 3530-30-2S	SC 3500-30-2	SC 3500-30-2S
32	2	10	SC 3510-32-2	11	SC 3530-32-2S	SC 3500-32-2	SC 3500-32-2S
34	2	10	SC 3510-34-2	11	SC 3530-34-2S	SC 3500-34-2	SC 3500-34-2S
36	2	10	SC 3510-36-2	12	SC 3530-36-2S	SC 3500-36-2	SC 3500-36-2S
38	2	10	SC 3510-38-2	12	SC 3530-38-2S	SC 3500-38-2	SC 3500-38-2S
40	2	10	SC 3510-40-2	13	SC 3530-40-2S	SC 3500-40-2	SC 3500-40-2S
42	2	10	SC 3510-42-2	14	SC 3530-42-2S	SC 3500-42-2	SC 3500-42-2S
44	2	10	SC 3510-44-2	14	SC 3530-44-2S	SC 3500-44-2	SC 3500-44-2S
46	2	10	SC 3510-46-2	15	SC 3530-46-2S	SC 3500-46-2	SC 3500-46-2S
48	2	10	SC 3510-48-2	15	SC 3530-48-2S	SC 3500-48-2	SC 3500-48-2S
50	2	10	SC 3510-50-2	16	SC 3530-50-2S	SC 3500-50-2	SC 3500-50-2S
55	-	18	SC 3530-55-2	18	SC 3530-55-2S	SC 3500-55-2	SC 3500-55-2S
60	-	20	SC 3530-60-2	20	SC 3530-60-2S	SC 3500-60-2	SC 3500-60-2S

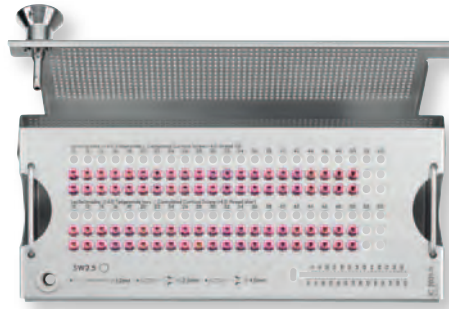
\*in IC 2011-10



# Cannulated Screws 4.0

## Screw Rack CS 4.0 IC 2021-10

- ▶ with screws
- ▶ for instrument sets see pages 14-16



ARTICLE	ART.-NO.
Screw rack for CS 4.0 with lid, empty	IC 2021-11

## CS 4.0

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	Cancellous
Thread- $\emptyset$	4.0 mm
Core- $\emptyset$	2.3 mm
Stem- $\emptyset$	2.3 mm
Hole- $\emptyset$	1.35 mm
Width A/F	2.5 mm
Head- $\emptyset$	6.0 mm
K-wire- $\emptyset$	1.2 mm
Drill- $\emptyset$	2.5 mm

LENGTH mm	QUANTITY*	THREAD mm	SHORT THREAD		FULL THREAD		
			ART.-NO.* UNSTERILE	THREAD mm	ART.-NO. STERILE	ART.-NO.* UNSTERILE	ART.-NO. STERILE
10	2	5	SC 4005-10-2	5	SC 4030-10-2S	SC 4000-10-2	SC 4000-10-2S
12	2	5	SC 4005-12-2	5	SC 4030-12-2S	SC 4000-12-2	SC 4000-12-2S
14	2	5	SC 4005-14-2	5	SC 4030-14-2S	SC 4000-14-2	SC 4000-14-2S
16	2	6	SC 4006-16-2	6	SC 4030-16-2S	SC 4000-16-2	SC 4000-16-2S
18	2	7	SC 4007-18-2	7	SC 4030-18-2S	SC 4000-18-2	SC 4000-18-2S
20	2	8	SC 4008-20-2	8	SC 4030-0-2S	SC 4000-20-2	SC 4000-20-2S
22	2	9	SC 4009-22-2	9	SC 4030-22-2S	SC 4000-22-2	SC 4000-22-2S
24	2	10	SC 4010-24-2	10	SC 4030-24-2S	SC 4000-24-2	SC 4000-24-2S
26	2	12	SC 4012-26-2	12	SC 4030-26-2S	SC 4000-26-2	SC 4000-26-2S
28	2	14	SC 4014-28-2	14	SC 4030-28-2S	SC 4000-28-2	SC 4000-28-2S
30	2	14	SC 4014-30-2	14	SC 4030-30-2S	SC 4000-30-2	SC 4000-30-2S
32	2	15	SC 4015-32-2	15	SC 4030-32-2S	SC 4000-32-2	SC 4000-32-2S
34	2	15	SC 4015-34-2	15	SC 4030-34-2S	SC 4000-34-2	SC 4000-34-2S
36	2	15	SC 4015-36-2	15	SC 4030-36-2S	SC 4000-36-2	SC 4000-36-2S
38	2	16	SC 4016-38-2	16	SC 4030-38-2S	SC 4000-38-2	SC 4000-38-2S
40	2	16	SC 4016-40-2	16	SC 4030-40-2S	SC 4000-40-2	SC 4000-40-2S
42	2	16	SC 4016-42-2	16	SC 4030-42-2S	SC 4000-42-2	SC 4000-42-2S
44	2	17	SC 4017-44-2	17	SC 4030-44-2S	SC 4000-44-2	SC 4000-44-2S
46	2	17	SC 4017-46-2	17	SC 4030-46-2S	SC 4000-46-2	SC 4000-46-2S
48	2	18	SC 4018-48-2	18	SC 4030-48-2S	SC 4000-48-2	SC 4000-48-2S
50	2	18	SC 4018-50-2	18	SC 4030-50-2S	SC 4000-50-2	SC 4000-50-2S
55	-	18	SC 4030-55-2	18	SC 4030-55-2S	SC 4000-55-2	SC 4000-55-2S
60	-	20	SC 4030-60-2	20	SC 4030-60-2S	SC 4000-60-2	SC 4000-60-2S

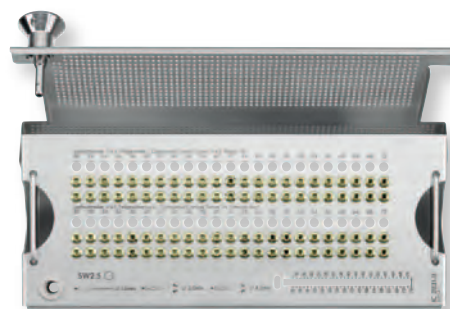
\*in IC 2021-10

# Cannulated Screws 4.5

## Screw Rack CS 4.5

### IC 2031-10

- ▶ with screws
- ▶ for instrument sets see pages 14-16



#### ARTICLE

Screw rack for CS 4.5 with lid, empty

#### ART.-NO.

IC 2031-11

## CS 4.5

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	4.5 mm
Thread-ø	4.5 mm
Core-ø	2.8 mm
stem-ø	2.8 mm
Hole-ø	1.75 mm
Width A/F	2.5 mm
Head-ø	6.0 mm
K-wire-ø	1.6 mm
Drill-ø	3.0 mm

LENGTH mm	QUANTITY*	THREAD mm	SHORT THREAD			FULL THREAD	
			ART.-NO.* UNSTERILE	THREAD mm	ART.-NO. STERILE	ART.-NO.* UNSTERILE	ART.-NO. STERILE
20	2	7	SC 4507-20-2	7	SC 4530-20-2S	SC 4500-20-2	SC 4500-20-2S
22	2	7	SC 4507-22-2	7	SC 4530-22-2S	SC 4500-22-2	SC 4500-22-2S
24	2	8	SC 4508-24-2	8	SC 4530-24-2S	SC 4500-24-2	SC 4500-24-2S
26	2	9	SC 4509-26-2	9	SC 4530-26-2S	SC 4500-26-2	SC 4500-26-2S
28	2	9	SC 4509-28-2	9	SC 4530-28-2S	SC 4500-28-2	SC 4500-28-2S
30	2	10	SC 4510-30-2	10	SC 4530-30-2S	SC 4500-30-2	SC 4500-30-2S
32	2	11	SC 4511-32-2	11	SC 4530-32-2S	SC 4500-32-2	SC 4500-32-2S
34	2	11	SC 4511-34-2	11	SC 4530-34-2S	SC 4500-34-2	SC 4500-34-2S
36	2	12	SC 4512-36-2	12	SC 4530-36-2S	SC 4500-36-2	SC 4500-36-2S
38	2	13	SC 4513-38-2	12	SC 4530-38-2S	SC 4500-38-2	SC 4500-38-2S
40	2	13	SC 4513-40-2	13	SC 4530-40-2S	SC 4500-40-2	SC 4500-40-2S
42	2	14	SC 4514-42-2	14	SC 4530-42-2S	SC 4500-42-2	SC 4500-42-2S
44	2	15	SC 4515-44-2	14	SC 4530-44-2S	SC 4500-44-2	SC 4500-44-2S
46	2	15	SC 4515-46-2	15	SC 4530-46-2S	SC 4500-46-2	SC 4500-46-2S
48	2	16	SC 4516-48-2	15	SC 4530-48-2S	SC 4500-48-2	SC 4500-48-2S
50	2	16	SC 4516-50-2	16	SC 4530-50-2S	SC 4500-50-2	SC 4500-50-2S
52	2	17	SC 4517-52-2	17	SC 4530-52-2S	SC 4500-52-2	SC 4500-52-2S
54	2	18	SC 4518-54-2	18	SC 4530-54-2S	SC 4500-54-2	SC 4500-54-2S
56	2	19	SC 4519-56-2	19	SC 4530-56-2S	SC 4500-56-2	SC 4500-56-2S
60	2	20	SC 4520-60-2	20	SC 4530-60-2S	SC 4500-60-2	SC 4500-60-2S
64	2	21	SC 4521-64-2	21	SC 4530-64-2S	SC 4500-64-2	SC 4500-64-2S
68	2	23	SC 4523-68-2	23	SC 4530-68-2S	SC 4500-68-2	SC 4500-68-2S
72	2	24	SC 4524-72-2	24	SC 4530-72-2S	SC 4500-72-2	SC 4500-72-2S

\*in IC 2031-10



# Cannulated Screws 4.5

## CS 4.5, 6 mm thread

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy

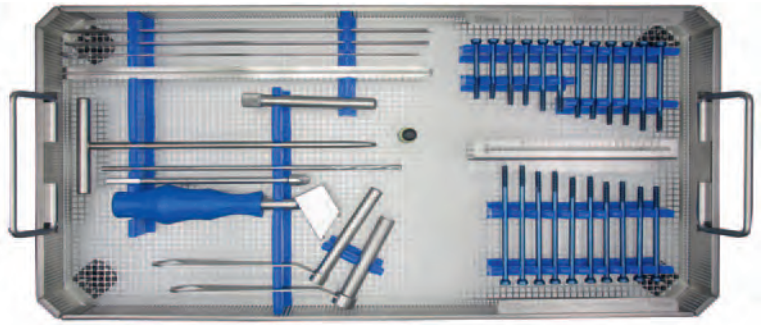
Thread	Cancellous
Thread- $\emptyset$	4.5 mm
Core- $\emptyset$	2.8 mm
Stem- $\emptyset$	2.8 mm
Hole- $\emptyset$	1.75 mm
Width A/F	2.5 mm
Head- $\emptyset$	6.0 mm
K-wire- $\emptyset$	1.6 mm
Drill- $\emptyset$	3.0 mm



LENGTH mm	ART.-NO.
20	SC 4506-20-2
22	SC 4506-22-2
24	SC 4506-24-2
26	SC 4506-26-2
28	SC 4506-28-2
30	SC 4506-30-2
32	SC 4506-32-2
34	SC 4506-34-2
36	SC 4506-36-2
38	SC 4506-38-2
40	SC 4506-40-2
42	SC 4506-42-2
44	SC 4506-44-2
46	SC 4506-46-2
48	SC 4506-48-2
50	SC 4506-50-2
52	SC 4506-52-2
54	SC 4506-54-2
56	SC 4506-56-2
60	SC 4506-60-2
64	SC 4506-64-2
68	SC 4506-68-2
72	SC 4506-72-2

# Complete Set CS 5.8

## Complete Set CS 5.8 IC 2003-00



ARTICLE	ART.-NO.
Tray for instruments and implants CS 5.8, empty	IC 2003-01
Lid for trays, large	IC 2008-00

## Set of Instruments CS 5.8 IC 2003-10

ARTICLE	QUANTITY	ART.-NO.
Tray for instruments and implants CS 5.8, empty	1	IC 2003-01
Drill sleeve CS 5.8/6.5, I- $\varnothing$ 4.5	1	IS 1010-27
Cleaning wire $\varnothing$ 2.0, CS 5.8	1	IS 1702-20
Tissue protection sleeve CS 5.8/6.5/7.5	1	IS 2000-01
Obturator CS 5.8	1	IS 2000-22
Countersink CS 5.8, Jacobs chuck	1	IS 2310-22
Screwdriver cannulated CS 5.8 hexagonal, $\varnothing$ 3.5, T-handle*	1	IS 2400-22
Parallel guide for K-wires CS 5.8	1	IS 2505-22
Drill CS 5.8, $\varnothing$ 4.3, L 220, I- $\varnothing$ 2.2, coil 54	1	IU 7343-22
Direct measuring device CS 5.8, L 270	1	IU 7927-10
K-wire with trocar point and thread, $\varnothing$ 2.0, L 270	10	NK 1020-27

# Complete Set CS 5.8

## CS 5.8, 16 mm thread

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy

◆ For ordering sterile screws please add „S“ to the article number



Thread	Cancellous
Thread- $\emptyset$	5.8 mm
Core- $\emptyset$	3.7 mm
Stem- $\emptyset$	4.2 mm
Hole- $\emptyset$	2.2 mm
Width A/F	3.5 mm
Head- $\emptyset$	8.5 mm
K-wire- $\emptyset$	2.0 mm
Drill- $\emptyset$	4.3 mm

LENGTH mm	QUANTITY*	ART.-NO.
30	-	SC 5816-30-2
35	-	SC 5816-35-2
40	-	SC 5816-40-2
45	-	SC 5816-45-2
50	2	SC 5816-50-2
55	2	SC 5816-55-2
60	2	SC 5816-60-2
65	2	SC 5816-65-2
70	2	SC 5816-70-2
75	2	SC 5816-75-2
80	2	SC 5816-80-2
85	2	SC 5816-85-2
90	2	SC 5816-90-2
95	2	SC 5816-95-2
100	2	SC 5816-00-2

\*in IC 2003-00

## Washer

- ▶ 5 pcs./package
- ▶ Titanium-Alloy
- ▶ IC 0005-00 staple for washers

◆ **NOTE STERILE:**

Washers are not yet available in sterile condition. Please order separately and add washers to the instrument tray, if you decide for sterile screws.

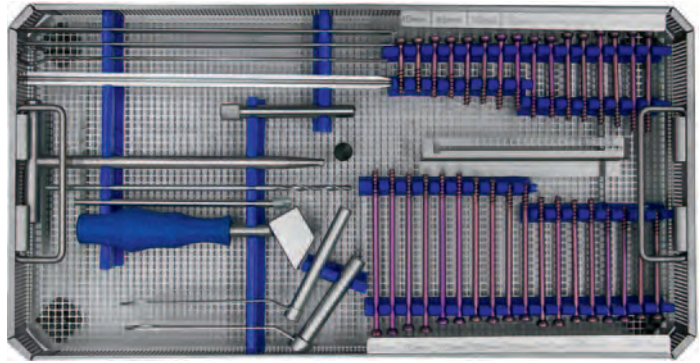


INNER- $\emptyset$ mm	OUTER- $\emptyset$ mm	QUANTITY*	ART NO.
6.6	13.0	5	SU 0513-00-2

\*in IC 2003-00

# Complete Set CS 6.5

## Complete Set CS 6.5 IC 2005-00



ARTICLE	ART.-NO.
Tray for instruments and implants CS 6.5, empty	IC 2005-01
Lid for trays, large	IC 2008-00

## Set of Instruments CS 6.5 IC 2005-10

ARTICLE	QUANTITY	ART.-NO.
Tray for instruments and implants CS 6.5, empty	1	IC 2005-01
Drill sleeve CS 5.8/6.5, l- $\varnothing$ 4.5	1	IS 1010-27
Cleaning wire $\varnothing$ 2.5, CS 6.5	1	IS 1702-25
Tissue protection sleeve CS	1	IS 2000-01
Obturator CS 6.5	1	IS 2000-27
Countersink CS 6.5/7.5, Jacobs chuck	1	IS 2310-32
Screwdriver cannulated CS 6.5/7.5 hexagonal, $\varnothing$ 5.0, T-handle	1	IS 2400-32
Parallel guide for K-wires CS 6.5	1	IS 2505-27
Drill CS 6.5, $\varnothing$ 4.4, L 220, l- $\varnothing$ 2.7, coil 54	1	IU 7344-22
Direct measuring device CS 7.5/6.5, L 270	1	IU 7927-00
K-wire with trocar point and thread, $\varnothing$ 2.5, L 270	10	NK 1025-27
<b>optional:</b>		
K-wire with trocar point, $\varnothing$ 2.5, L 270		NK 0025-27

# Complete Set CS 6.5

## CS 6.5, 16 mm thread

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy

- ◆ For ordering sterile screws please add „S“ to the article number



Thread	Cancellous
Thread- $\emptyset$	6.5 mm
Core- $\emptyset$	4.0 mm
Stem- $\emptyset$	4.3 mm
Hole- $\emptyset$	2.7 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.5 mm
K-wire- $\emptyset$	2.5 mm
Drill- $\emptyset$	4.4 mm

LENGTH mm	QUANTITY*	ART.-NO.
35	-	SC 6516-35-2
40	2	SC 6516-40-2
45	2	SC 6516-45-2
50	2	SC 6516-50-2
55	2	SC 6516-55-2
60	2	SC 6516-60-2
65	2	SC 6516-65-2
70	2	SC 6516-70-2
75	2	SC 6516-75-2
80	2	SC 6516-80-2
85	2	SC 6516-85-2
90	2	SC 6516-90-2
95	2	SC 6516-95-2
100	2	SC 6516-00-2
105	2	SC 6516-01-2
110	2	SC 6516-02-2
115	2	SC 6516-03-2
120	2	SC 6516-04-2

\*in IC 2005-00

## Washer

- ▶ 5 pcs./package
- ▶ Titanium-Alloy
- ▶ IC 0005-00 staple for washers



- ◆ **NOTE STERILE:**  
Washers are not yet available in sterile condition. Please order separately and add washers to the instrument tray, if you decide for sterile screws.

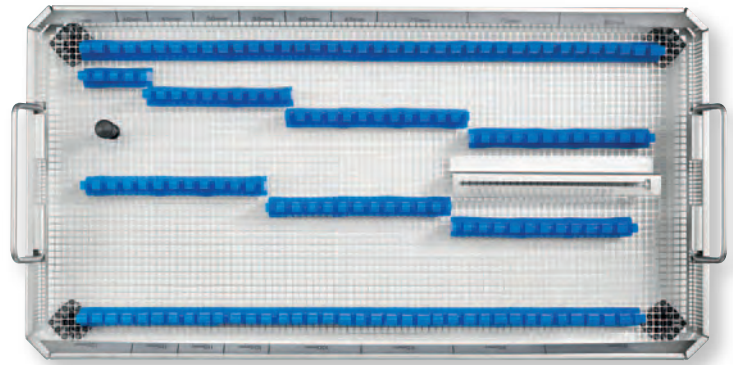
INNER- $\emptyset$ mm	OUTER- $\emptyset$ mm	QUANTITY*	ART.-NO.
8.6	13.0	5	SU 0913-00-2
8.6	16.0	-	SU 0916-00-2
8.6	19.0	-	SU 0919-00-2

\*in IC 2005-00

# Cannulated Screws 6.5

## Basic Tray of Implants CS 6.5 IC 2005-05

- ▶ empty
- ▶ for CS 6.5, 32mm  $\Phi$  full thread



## CS 6.5, 32 mm thread

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy

- ◆ For ordering sterile screws please add „S“ to the article number



Thread	Cancellous
Thread- $\emptyset$	6.5 mm
Core- $\emptyset$	4.0 mm
Stem- $\emptyset$	4.3 mm
Hole- $\emptyset$	2.7 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.5 mm
K-wire- $\emptyset$	2.5 mm
Drill- $\emptyset$	4.4 mm

LENGTH mm	ART.-NO.
45	SC 6532-45-2
50	SC 6532-50-2
55	SC 6532-55-2
60	SC 6532-60-2
65	SC 6532-65-2
70	SC 6532-70-2
75	SC 6532-75-2
80	SC 6532-80-2
85	SC 6532-85-2
90	SC 6532-90-2
95	SC 6532-95-2
100	SC 6532-00-2
105	SC 6532-01-2
110	SC 6532-02-2
115	SC 6532-03-2
120	SC 6532-04-2

# Cannulated Screws 6.5

## CS 6.5, full thread

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy

- ◆ For ordering sterile screws please add „S“ to the article number



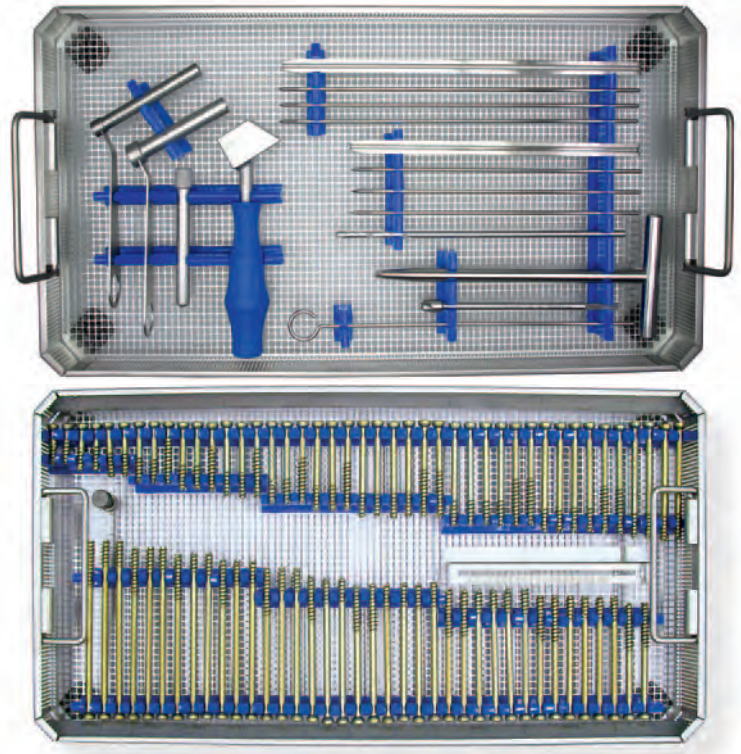
Thread	Cancellous
Thread- $\emptyset$	6.5 mm
Core- $\emptyset$	4.0 mm
Stem- $\emptyset$	4.3 mm
Hole- $\emptyset$	2.7 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.5 mm
K-wire- $\emptyset$	2.5 mm
Drill- $\emptyset$	4.4 mm

LENGTH mm	ART.-NO.
35	SC 6500-35-2
40	SC 6500-40-2
45	SC 6500-45-2
50	SC 6500-50-2
55	SC 6500-55-2
60	SC 6500-60-2
65	SC 6500-65-2
70	SC 6500-70-2
75	SC 6500-75-2
80	SC 6500-80-2
85	SC 6500-85-2
90	SC 6500-90-2
95	SC 6500-95-2
100	SC 6500-00-2
105	SC 6500-01-2
110	SC 6500-02-2
115	SC 6500-03-2
120	SC 6500-04-2



# Complete Set CS 7.5

## Set of Instruments CS 7.5 IC 2000-00



ARTICLE	ART.-NO.
Tray for instruments CS 7.5, empty	IC 2001-00
Tray for implants CS 7.5, empty	IC 2002-00
Lid for trays, large	IC 2008-00

## Set of Instruments CS 7.5 IC 2001-75

ARTICLE	QUANTITY	ART.-NO.
Tray for instruments CS 7.5, empty	1	IC 2001-00
Drill sleeve CS 7.5, I- $\emptyset$ 5.2	1	IS 1010-32
Cleaning wire $\emptyset$ 3.0, CS 7.5	1	IS 1702-30
Tissue protection sleeve CS 5.8/6.5/7.5	1	IS 2000-01
Obturator CS 7.5	1	IS 2000-32
Countersink CS 6.5/7.5, Jacobs chuck	1	IS 2310-32
Screwdriver cannulated CS 6.5/7.5 hexagonal, $\emptyset$ 5.0, T-handle*	1	IS 2400-32
Parallel guide for K-wires, CS 7.5	1	IS 2505-32
Drill CS 7.5, $\emptyset$ 5.0, L 220, I- $\emptyset$ 3.3, coil 60	1	IU 7350-22
Direct measuring device CS 7.5, L 220	1	IU 7922-00
Direct measuring device CS 6.5/7.5, L 270	1	IU 7927-00
K-wire with trocar point and thread, $\emptyset$ 3.0, L 220	6	NK 1030-22
K-wire with trocar point and thread, $\emptyset$ 3.0, L 270	6	NK 1030-27
<b>optional:</b>		
K-wire with trocar point, $\emptyset$ 3.0, L 270		NK 0030-27



## Set of Implants CS 7.5 IC 2002-75

- ▶ Tray for implants, empty  
IC 2002-00



### CS 7.5, 16 mm thread

- ▶ self tapping, forward and reverse
- ▶ self drilling
- ▶ Titanium-Alloy

- ◆ For ordering sterile screws please add „S“ to the article number

Thread	Cancellous
Thread- $\emptyset$	7.5 mm
Core- $\emptyset$	5.0 mm
Stem- $\emptyset$	4.9 mm
Hole- $\emptyset$	3.2 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.3 mm
K-wire- $\emptyset$	3.0 mm
Drill- $\emptyset$	5.0 mm

LENGTH mm	QUANTITY*	ART.-NO.
30	2	SC 7516-30-2
35	2	SC 7516-35-2
40	2	SC 7516-40-2
45	2	SC 7516-45-2
50	2	SC 7516-50-2
55	2	SC 7516-55-2
60	2	SC 7516-60-2
65	2	SC 7516-65-2
70	4	SC 7516-70-2
75	4	SC 7516-75-2
80	4	SC 7516-80-2
85	4	SC 7516-85-2
90	4	SC 7516-90-2
95	4	SC 7516-95-2
100	4	SC 7516-00-2
105	2	SC 7516-01-2
110	2	SC 7516-02-2
115	2	SC 7516-03-2
120	2	SC 7516-04-2
125	2	SC 7516-05-2
130	2	SC 7516-06-2

\*in IC 2000-00

### CS 7.5, 32 mm thread

- ▶ self tapping, forward and reverse
- ▶ self drilling
- ▶ Titanium-Alloy

- ◆ For ordering sterile screws please add „S“ to the article number

Thread	Cancellous
Thread- $\emptyset$	7.5 mm
Core- $\emptyset$	5.0 mm
Stem- $\emptyset$	4.9 mm
Hole- $\emptyset$	3.2 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.3 mm
K-wire- $\emptyset$	3.0 mm
Drill- $\emptyset$	5.0 mm

LENGTH mm	QUANTITY*	ART.-NO.
45	1	SC 7532-45-2
50	1	SC 7532-50-2
55	1	SC 7532-55-2
60	1	SC 7532-60-2
65	1	SC 7532-65-2
70	2	SC 7532-70-2
75	2	SC 7532-75-2
80	2	SC 7532-80-2
85	2	SC 7532-85-2
90	2	SC 7532-90-2
95	2	SC 7532-95-2
100	2	SC 7532-00-2
105	1	SC 7532-01-2
110	1	SC 7532-02-2
115	1	SC 7532-03-2
120	1	SC 7532-04-2
125	1	SC 7532-05-2
130	1	SC 7532-06-2

\*in IC 2000-00

# Cannulated Screws 7.5

## CS 7.5, 8 mm thread\*

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy



Thread	Cancellous
Thread- $\emptyset$	7.5 mm
Core- $\emptyset$	5.0 mm
Stem- $\emptyset$	4.9 mm
Hole- $\emptyset$	3.2 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.3 mm
K-wire- $\emptyset$	3.0 mm
Drill- $\emptyset$	5.0 mm

LENGTH mm	ART.-NO.
30	SC 7508-30-2
35	SC 7508-35-2
40	SC 7508-40-2
45	SC 7508-45-2
50	SC 7508-50-2
55	SC 7508-55-2
60	SC 7508-60-2
65	SC 7508-65-2
70	SC 7508-70-2
75	SC 7508-75-2
80	SC 7508-80-2
85	SC 7508-85-2
90	SC 7508-90-2
95	SC 7508-95-2
100	SC 7508-00-2
105	SC 7508-01-2
110	SC 7508-02-2
115	SC 7508-03-2
120	SC 7508-04-2
125	SC 7508-05-2
130	SC 7508-06-2

\* not included in IC 2000-00

# Cannulated Screws 7.5

## CS 7.5, full thread\*

- ▶ self-tapping, forward and reverse
- ▶ self-drilling
- ▶ Titanium-Alloy

◆ For ordering sterile screws please add „S“ to the article number



Thread	Cancellous
Thread- $\emptyset$	7.5 mm
Core- $\emptyset$	5.0 mm
Stem- $\emptyset$	4.9 mm
Hole- $\emptyset$	3.2 mm
Width A/F	5.0 mm
Head- $\emptyset$	9.3 mm
K-wire- $\emptyset$	3.0 mm
Drill- $\emptyset$	5.0 mm

LENGTH mm	ART.-NO.
30	SC 7500-30-2
35	SC 7500-35-2
40	SC 7500-40-2
45	SC 7500-45-2
50	SC 7500-50-2
55	SC 7500-55-2
60	SC 7500-60-2
65	SC 7500-65-2
70	SC 7500-70-2
75	SC 7500-75-2
80	SC 7500-80-2
85	SC 7500-85-2
90	SC 7500-90-2
95	SC 7500-95-2
100	SC 7500-00-2
105	SC 7500-01-2
110	SC 7500-02-2
115	SC 7500-03-2
120	SC 7500-04-2
125	SC 7500-05-2
130	SC 7500-06-2

\* not included in IC 2000-00

## Washer

- ▶ 5 pcs./package
- ▶ Titanium-Alloy
- ▶ IC 0005-00 staple for washers



### ◆ NOTE STERILE:

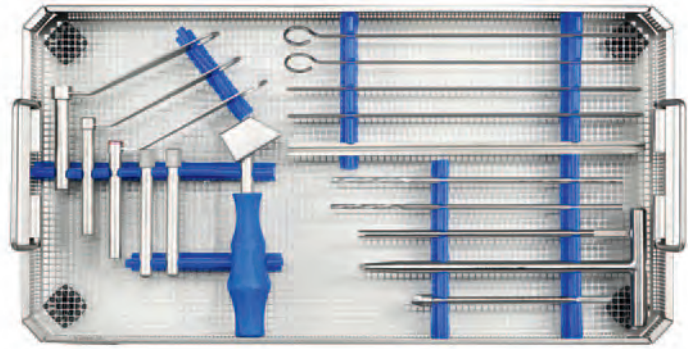
Washers are not yet available in sterile condition. Please order separately and add washers to the instrument tray, if you decide for sterile screws.

INNER- $\emptyset$ mm	OUTER- $\emptyset$ mm	QUANTITY*	ART.-NO.
8.6	13.0	5	SU 0913-00-2
8.6	16.0	-	SU 0916-00-2
8.6	19.0	-	SU 0919-00-2

\*in IC 2000-00/IC 2002-75

# Set Options CS 6.5/7.5

## Instrument Set CS 6.5/7.5 IC 2004-10



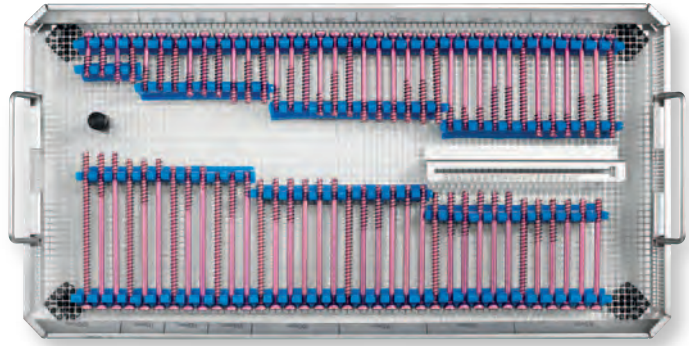
ARTICLE	ART.-NO.
Tray for instruments CS 6.5-7.5, empty	IC 2004-01
Lid for trays, large	IC 2008-00

ARTICLE	QUANTITY	ART.-NO.
Drill sleeve CS 5.8/6.5, I- $\varnothing$ 4.5	1	IS 1010-27
Drill sleeve CS 7.5, I- $\varnothing$ 5.2	1	IS 1010-32
Cleaning wire, $\varnothing$ 2.5, CS 6.5	1	IS 1702-25
Cleaning wire, $\varnothing$ 3.0, CS 7.5	1	IS 1702-30
Tissue protection sleeve CS 5.8/6.5/7.5	1	IS 2000-01
Obturator CS 6.5	1	IS 2000-27
Obturator CS 7.5	1	IS 2000-32
Countersink cannulated CS 6.5/7.5, Jacobs chuck	1	IS 2310-32
Screwdriver cannulated CS 6.5/7.5, hexagonal, $\varnothing$ 5.0, T-handle	1	IS 2400-32
Screwdriver cannulated CS 6.5/7.5, hexagonal, $\varnothing$ 5.0, Jacobs chuck	1	IS 2402-32
Parallel guide for K-wires, CS 7.5	1	IS 2505-32
Drill CS 6.5, $\varnothing$ 4.4, L 220, I- $\varnothing$ 2.7, coil 54	1	IU 7344-22
Drill CS 7.5, $\varnothing$ 5.0, L 220, I- $\varnothing$ 3.3, coil 60	1	IU 7350-22
Direct measuring device, L 270, CS 6.5/7.5	1	IU 7927-00
K-wire with trocar point and thread, $\varnothing$ 2.5, L 270	5	NK 1025-27
K-wire with trocar point and thread, $\varnothing$ 3.0, L 270	5	NK 1030-27

# Set Options CS 6.5/7.5

## Implantset CS 6.5 IC 2004-65

- ◆ For ordering sterile screws please add „S“ to the article number



ARTICLE	ART.-NO.
Tray for Implants CS 6.5, empty	IC 2005-05
Lid for trays, large	IC 2008-00

LENGTH mm	16 MM THREAD		32 MM THREAD		LONGTHREAD	
	QUANTITY	ART.-NO.	QUANTITY	ART.-NO.	QUANTITY	ART.-NO.
35	1	SC 6516-35-2	-	-	1	SC 6500-35-2
40	1	SC 6516-40-2	-	-	1	SC 6500-40-2
45	1	SC 6516-45-2	1	SC 6532-45-2	1	SC 6500-45-2
50	1	SC 6516-50-2	1	SC 6532-50-2	1	SC 6500-50-2
55	1	SC 6516-55-2	1	SC 6532-55-2	1	SC 6500-55-2
60	1	SC 6516-60-2	1	SC 6532-60-2	1	SC 6500-60-2
65	1	SC 6516-65-2	1	SC 6532-65-2	1	SC 6500-65-2
70	3	SC 6516-70-2	2	SC 6532-70-2	1	SC 6500-70-2
75	3	SC 6516-75-2	2	SC 6532-75-2	1	SC 6500-75-2
80	3	SC 6516-80-2	2	SC 6532-80-2	1	SC 6500-80-2
85	3	SC 6516-85-2	2	SC 6532-85-2	1	SC 6500-85-2
90	3	SC 6516-90-2	2	SC 6532-90-2	1	SC 6500-90-2
95	3	SC 6516-95-2	2	SC 6532-95-2	1	SC 6500-95-2
100	3	SC 6516-00-2	2	SC 6532-00-2	1	SC 6500-00-2
105	1	SC 6516-01-2	1	SC 6532-01-2	1	SC 6500-01-2
110	1	SC 6516-02-2	1	SC 6532-02-2	1	SC 6500-02-2
115	1	SC 6516-03-2	1	SC 6532-03-2	1	SC 6500-03-2
120	1	SC 6516-04-2	1	SC 6532-04-2	1	SC 6500-04-2

## Washer\*

- ▶ 5 pcs./package
- ▶ Titanium-Alloy

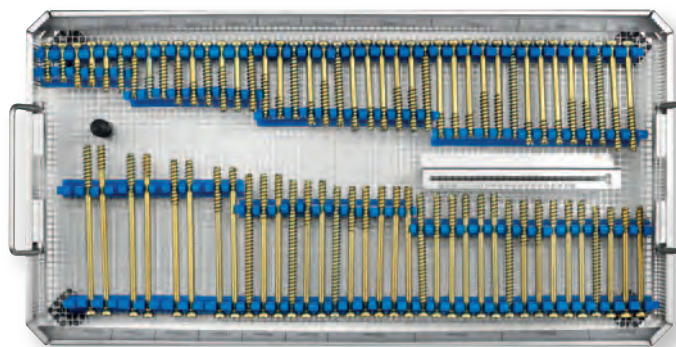


\* see page 39

# Set Options CS 6.5/7.5

## Implantset CS 7.5 IC 2004-75

- ◆ For ordering sterile screws please add „S“ to the article number



ARTICLE	ART.-NO.
Tray for implants CS 7.5, empty	IC 2002-00
Lid for trays, large	IC 2008-00

LENGTH mm	16 MM THREAD		32 MM THREAD		LONG THREAD	
	QUANTITY	ART.-NO.	QUANTITY	ART.-NO.	QUANTITY	ART.-NO.
30	1	SC 7516-30-2	-	-	-	-
35	1	SC 7516-35-2	-	-	-	-
40	1	SC 7516-40-2	-	-	1	SC 7500-40-2
45	1	SC 7516-45-2	1	SC 7532-45-2	1	SC 7500-45-2
50	1	SC 7516-50-2	1	SC 7532-50-2	1	SC 7500-50-2
55	1	SC 7516-55-2	1	SC 7532-55-2	1	SC 7500-55-2
60	1	SC 7516-60-2	1	SC 7532-60-2	1	SC 7500-60-2
65	1	SC 7516-65-2	1	SC 7532-65-2	1	SC 7500-65-2
70	3	SC 7516-70-2	2	SC 7532-70-2	1	SC 7500-70-2
75	3	SC 7516-75-2	2	SC 7532-75-2	1	SC 7500-75-2
80	3	SC 7516-80-2	2	SC 7532-80-2	1	SC 7500-80-2
85	3	SC 7516-85-2	2	SC 7532-85-2	1	SC 7500-85-2
90	3	SC 7516-90-2	2	SC 7532-90-2	1	SC 7500-90-2
95	3	SC 7516-95-2	2	SC 7532-95-2	1	SC 7500-95-2
100	3	SC 7516-00-2	2	SC 7532-00-2	1	SC 7500-00-2
105	1	SC 7516-01-2	1	SC 7532-01-2	1	SC 7500-01-2
110	1	SC 7516-02-2	1	SC 7532-02-2	1	SC 7500-02-2
115	1	SC 7516-03-2	1	SC 7532-03-2	-	-
120	1	SC 7516-04-2	1	SC 7532-04-2	-	-
125	1	SC 7516-05-2	1	SC 7532-05-2	-	-
130	1	SC 7516-06-2	1	SC 7532-06-2	-	-

### Washer\*

- ▶ 5 pcs./package
- ▶ Titanium-Alloy



\* see page 39



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WP 10P020 EN / 2010-1

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(01)04042409334054(10)2010  
WP 10P020 EN / 2010-1