

# Merete<sup>®</sup> Cannulated HCS

## Indications

The Merete<sup>®</sup> Cannulated HCS screws are indicated for fracture fixation of various bones, osteotomies in the foot (as Hallux Valgus treatment) or hand, arthrodesis in hand, foot or ankle surgery, fixation of bone fragments in long bones or small bone fractures. The size of the chosen screw should be adapted for the specific indication.

## Contraindications

- Osteoarthritis
- Primary chronic Polyarthritis
- Osteoporotic bone

## Surgical Technique

Position the K-wire (Ref. CK20023) at the fracture or fusion site and place the double drill guide (Ref. FH20050) over it. Confirm accurate K-wire placement and appropriate depth under imaging.

Slide the cannulated drill bit (Ref. FH21050) over the K-wire and into the double drill guide. Drill until the desired depth is reached, using fluoroscopy if necessary.

Remove the double drill guide and slide the depth gauge (Ref. FH20230) over the K-wire (Fig. 3). The measurement on the depth gauge shows the depth of the K-wire in the bone and indicates the appropriate screw length.

Use the cannulated Countersink (Ref. FH20065) to prepare the cortical bone and to create a recess for the screw (Fig. 4).

Insert the determined Merete Cannulated HCS screw with the screwdriver (Ref. FH20235) or the T-Handle (Ref. FH90001) with a connected screwdriver (Ref. FH20335) (Fig. 5).

Confirm placement and length of the screw under fluoroscopy, ensuring that both leading and trailing edges of the screw are placed beneath the cortex. Finally, remove the K-wire (Fig. 6).



Figure 1 K-wire insertion



Figure 2 Pre-drilling

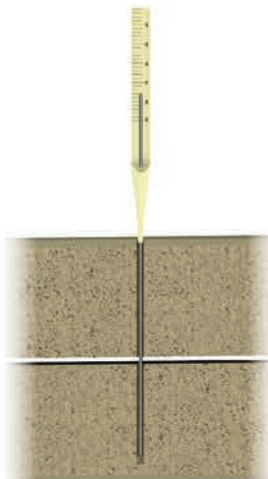


Figure 3 Screw length measurement



Figure 4 Countersinking a recess for the screw

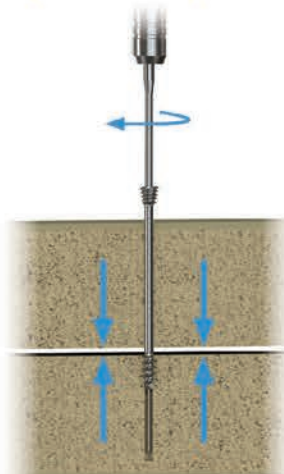
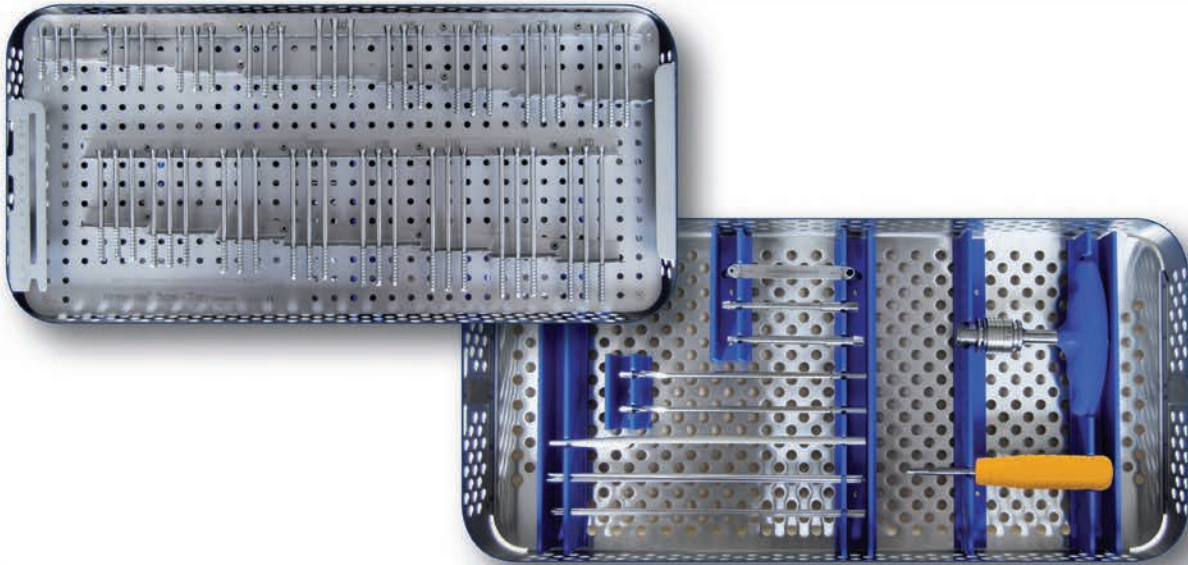


Figure 5 Insertion of the HCS screw



Figure 6 Finished screw insertion



## Tray

Description	Ref.
Complete Tray with Instruments and 51 Merete® Cannulated HCS DIA.6.5 mm (3 Screws of each length)	FH94000

## Instruments

Description	Ref.
Double drill guide for K-wire DIA.2.0 mm and cannulated drill bit DIA. 5.0 mm	FH20050
Countersink DIA. 6.5 mm cannulated for DIA. 1.4 mm K-wire, with 1/4" connector	FH20065
Screwdriver hex 3.5 mm, cannulated for K-wire DIA. 2.0 mm, with 1/4" connector	FH20335
T-Handle with 1/4" connector	FH90001
Drill bit DIA. 5.0 mm, cannulated for K-wire DIA. 2.0 mm	FH21050
Depth gauge for K-wires DIA.2.0 mm, L: 230 mm	FH20230
K-wire DIA. 2.0 mm, L: 230 mm, with trocar tip	CK20023
Screwdriver hex 3.5 mm, cannulated for K-wire DIA.2.0 mm	FH20235
Optional screwdriver hex 3.5 mm for 3-jaw chuck, cannulated for K-wire DIA.2.0 mm (not included in tray)	KI22036

## Merete® Cannulated HCS non-sterile

Length	Merete® Cannulated HCS DIA. 6.5 mm
40 mm	CB06040
45 mm	CB06045
50 mm	CB06050
55 mm	CB06055
60 mm	CB06060
65 mm	CB06065
70 mm	CB06070
75 mm	CB06075
80 mm	CB06080
85 mm	CB06085
90 mm	CB06090
95 mm	CB06095
100 mm	CB06100
105 mm	CB06105
110 mm	CB06110
115 mm	CB06115
120 mm	CB06120

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