











KFN-KÖNIGSEE FEMORAL NAIL

Proximal femoral nail



Item no.	EAN	Item description	Item no. Sterile	EAN Sterile
Königsee Femoral Nail 125°; titanium				
7.3KF.10/210		Königsee Femoral Nail 125°; Ø 10 x 210 mm; cannulated; inside Ø 4.7 mm	S7.3KF.10/210	
7.3KF.11/210		Königsee Femoral Nail 125°; Ø 11 x 210 mm; cannulated; inside Ø 4.7 mm	S7.3KF.11/210	
7.3KF.12/210		Königsee Femoral Nail 125°; Ø 12 x 210 mm; cannulated; inside Ø 4.7 mm	S7.3KF.12/210	
7.3KF.13/210		Königsee Femoral Nail 125°; Ø 13 x 210 mm; cannulated; inside Ø 4.7 mm	S7.3KF.13/210	
7.3KF10,5L/340		Königsee Femoral Nail 125°; Ø 10.5 x 340 mm; cannulated; inside Ø 4.7 mm; left	S7.3KF.340L	



Item no.	EAN	Item description	Item no. Sterile	EAN Sterile
7.3KF10,5R/340		Königsee Femoral Nail 125°; Ø 10.5 x 340 mm; cannulated; inside Ø 4.7 mm; right	S7.3KF.340R	
7.3KF10,5L/380		Königsee Femoral Nail 125°; Ø 10.5 x 380 mm; cannulated; inside Ø 4.7 mm; left	S7.3KF.380L	
7.3KF10,5R/380		Königsee Femoral Nail 125°; Ø 10.5 x 380 mm; cannulated; inside Ø 4.7 mm; right	S7.3KF.380R	
Königsee Femoral Nail 130°; titanium				
7.1KF.10/210		Königsee Femoral Nail 130°; Ø 10 x 210 mm; cannulated; inside Ø 4.7 mm	S7.1KF.10/210	
7.1KF.11/210		Königsee Femoral Nail 130°; Ø 11 x 210 mm; cannulated; inside Ø 4.7 mm	S7.1KF.11/210	
7.1KF.12/210		Königsee Femoral Nail 130°; Ø 12 x 210 mm; cannulated; inside Ø 4.7 mm	S7.1KF.12/210	
7.1KF.13/210		Königsee Femoral Nail 130°; Ø 13 x 210 mm; cannulated; inside Ø 4.7 mm	S7.1KF.13/210	
7.1KF10,5L/340		Königsee Femoral Nail 130°; Ø 10.5 x 340 mm; cannulated; inside Ø 4.7 mm; left	S7.1KF.340L	
7.1KF10,5R/340		Königsee Femoral Nail 130°; Ø 10.5 x 340 mm; cannulated; inside Ø 4.7 mm; right	S7.1KF.340R	
7.1KF10,5L/420		Königsee Femoral Nail 130°; Ø 10.5 x 420 mm; cannulated; inside Ø 4.7 mm; left	S7.1KF.420L	
7.1KF10,5R/420		Königsee Femoral Nail 130°; Ø 10.5 x 420 mm; cannulated; inside Ø 4.7 mm; right	S7.1KF.420R	

All advantages at a glance

- Short and long nails; various diameters (10 mm - 13 mm)
- Various CCD angles (125° and 130°)
- Colour-coded instruments for easier handling
- Special supporting screw design with controlled compression path of 15 mm, providing in a high degree of primary stability
- Radiolucent, lightweight, carbon fibre-reinforced plastic guide frame with modular technology

Target group

- The KFN is intended for adult patients. It may not be used for Children or young people who have not finished growing.
- There are no restrictions with regard to selected ethnic groups. The patient clientele is only limited by anatomical parameters.

Product properties - **short nails:**

· Length: 210 mm

· Cannulated

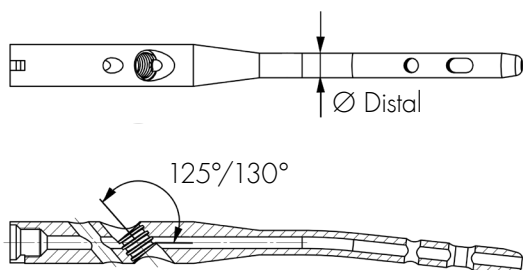
· Titanium alloy
· anodised surface

Colour coding of nail diameters:

- Ø 10 mm: anodised purple
- Ø 11 mm: anodised green-blue
- Ø 12 mm: anodised blue
- Ø 13 mm: anodised brown

Product variants:

- Item no. 7.1KF.XX/210
· CCD angle: 130°
- Item no. 7.3KF.XX/210
· CCD angle: 125°



Product properties - **long nails:**

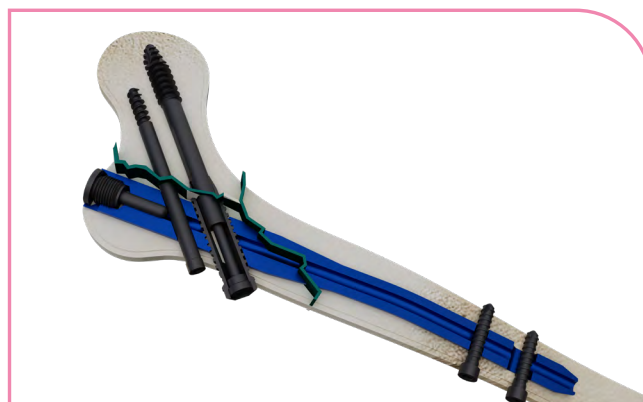
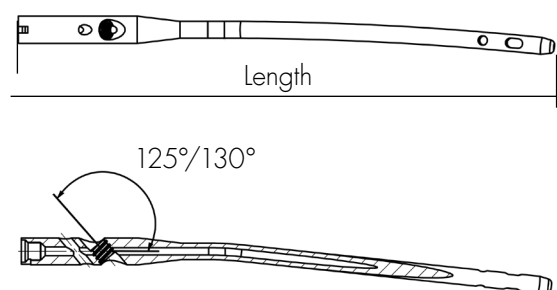
· Ø 10.5 mm

· Cannulated

· Titanium alloy
· anodised golden yellow

Product variants:

- Item no. 7.1KF10,5L/XXX
(left femur)
- Item no. 7.1KF10,5R/XXX
(right femur)
- Lengths: 340 mm, 420 mm
· CCD angle: 130°
- Item no. 7.3KF10,5L/XXX
(left femur)
- Item no. 7.3KF10,5R/XXX
(right femur)
- Lengths: 340 mm, 380 mm
· CCD angle: 125°



Set KFN IH Titanium



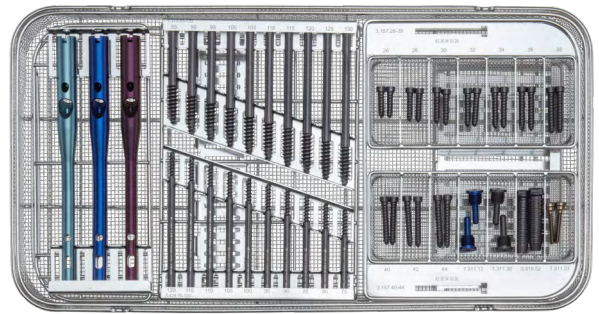
Item no. 7.1KF.10/210







Item no. 7.1KF.11/210



Item no. 7.1KF.12/210

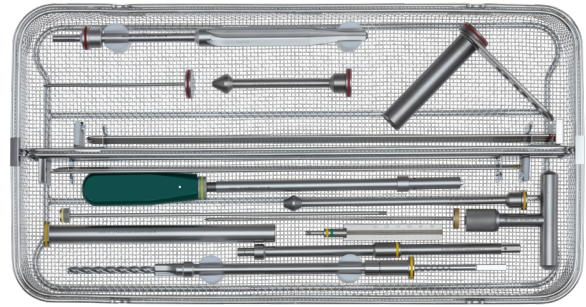



Set implants; Set no. 19.344.00  Internal hexagon
Container implants; Item no. 19.345.00

Item no.	Item description	Quant.
Implants – KFN nails		
KFN-Königsee Femoral Nail 130°; titanium		
7.1KF.10/210	Ø 10 x 210 mm; cannulated; inside-Ø 4.7 mm	1
7.1KF.11/210	Ø 11 x 210 mm; cannulated; inside-Ø 4.7 mm	1
7.1KF.12/210	Ø 12 x 210 mm; cannulated; inside-Ø 4.7 mm	1
Implants – screws		
Interlocking screw for KFN Ø 5.5 mm; self tapping; titanium alloy; TiOB®-coated		
		
3.157.26	length 26 mm	2
3.157.28	length 28 mm	2
3.157.30	length 30 mm	2
3.157.32	length 32 mm	2
3.157.34	length 34 mm	2
3.157.36	length 36 mm	2
3.157.38	length 38 mm	2
3.157.40	length 40 mm	2
3.157.42	length 42 mm	2
3.157.44	length 44 mm	2
Locking screw for KFN; titanium alloy		
		
7.311.12	without arresting bolt; length 28 mm; M 12	2
7.311.30	with arresting bolt; length 30 mm; M 12 TiOB®-coated	2
Compression screw for KFN; titanium alloy		
		
7.311.01	thread 27; M 4; L 35 mm; wrench width 3.5	2
Sleeve of support. screw; tit. alloy; TiOB®-coated		
		
3.310.52	supporting screw sleeve f. KFN; Ø 12 x 52 mm	2

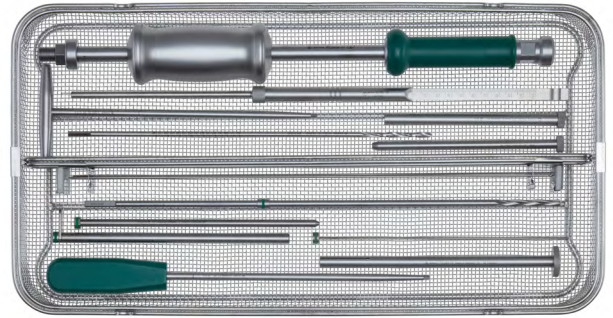
Item no.	Item description	Quant.
Implants – screws		
Anti-rotation screw for KFN; Ø 6.0 mm; titanium alloy; TiOB®-coated		
3.428.75	length 75 mm	1
3.428.80	length 80 mm	1
3.428.85	length 85 mm	1
3.428.90	length 90 mm	1
3.428.95	length 95 mm	1
3.428.100	length 100 mm	1
3.428.105	length 105 mm	1
3.428.110	length 110 mm	1
3.428.115	length 115 mm	1
3.428.120	length 120 mm	1
Supporting screw for KFN; Ø 10 mm; titanium alloy; TiOB®-coated		
7.313.85	length 85 mm	1
7.313.90	length 90 mm	1
7.313.95	length 95 mm	1
7.313.100	length 100 mm	1
7.313.105	length 105 mm	1
7.313.110	length 110 mm	1
7.313.115	length 115 mm	1
7.313.120	length 120 mm	1
7.313.125	length 125 mm	1
7.313.130	length 130 mm	1
Container		
19.345.00	perforated autoclavable container with inset for implants KFN	1


Set KFN IH Titanium



Set1 instruments; Set no. 19.344.00  Internal hexagon
Container1 instruments; Item no. 19.347.00

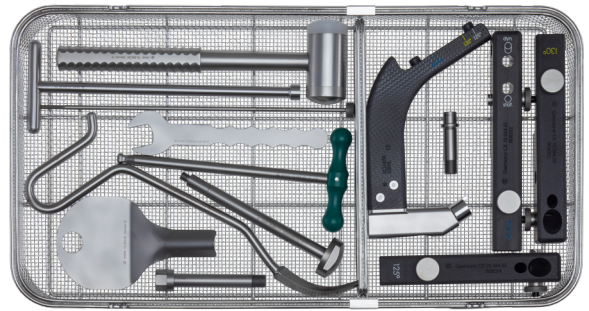
Item no.	Item description	Quant.
Instruments – color code red		
10.264.19	intramedullary reamer; Ø 17 x 269 mm; cannulated; inside Ø 3.5 mm	1
10.264.20	tissue protecting drill sleeve for intramedullary reamer; Ø 20 x 107 mm; inside Ø 17.2 mm	1
10.264.21	sleeve for intramedullary reamer; Ø 17 mm/ Ø 3.2 x 121 mm	1
10.264.22	trocar for sleeve for intramedullary reamer; Ø 3.0 x 132 mm	1
Wire – color code red		
2.984.30/400	guide wire; Ø 3.0 x 400 mm; thread 10; stainless steel	5
Instruments – color code yellow		
10.264.01	screwdriver for insertion	1
10.264.02	fixation rod for screwdriver for insertion; Ø 4.0 x 336 mm	1
10.2646.03	hex screwdriver with handle and holding sleeve, wrench width 3.5	1
10.264.04	gauge for supporting screw	1
10.264.05	sleeve for supporting screw; Ø 16 mm/ Ø 14 x 200 mm	1
10.264.06	sleeve for supporting screw; Ø 14 mm/ Ø 2.7 x 211 mm	1
10.264.07	trocar for sleeve for supporting screw; Ø 2.5 x 222 mm	1
10.264.08	step drill-set for supporting screw; complete	1
10.264.27	T-handle with quick coupling for KFN; cannulated; inside Ø 4.2 mm	1
Wire – color code yellow		
2.984.25/400	guide wire; Ø 2.5 x 400 mm; thread 10; stainless steel	5
Container		
19.347.00	perforated autoclavable container with inset for instruments 1 KFN	1




Set 2 instruments; Set no. 19.344.00  Internal hexagon
Container 2 instruments; Item no. 19.348.00

Item no.	Item description	Quant.
Instruments – color code green		
10.264.12	sleeve for anti-rotation screw; Ø 8.8 mm/ Ø 6.7 x 198 mm	1
10.264.14	sleeve for anti-rotation screw; Ø 6.5 mm/ Ø 2.2 x 205 mm	1
10.264.15	trocar for sleeve for anti-rotation screw; Ø 2.0 x 215 mm	1
10.264.16	drill bit; Ø 6.0 x 400 mm; quadruple spiral; spiral length 55 mm; cannulated; inside Ø 2.2 mm	1
10.2646.17	hex screwdriver with handle, cannulated, inside Ø 2.2 mm, wrench width 3.5	1
10.264.18	unscrewable sleeve; Ø 10 x 200.5 mm	1
Drähte – Farbcode grün		
2.984.20/400	guide wire; Ø 2.0 x 400 mm; thread 10; stainless steel	5
Instruments – color code silver		
10.261.011	drill guide; Ø 8.0 x 150 mm; indented; silver	1
10.261.031	drill guide; Ø 4.8 x 160 mm; silver	1
10.261.15	drill bit; Ø 4.8 x 305 mm; spiral length 60 mm	1
10.261.16	gauge with clasp; measuring range 110 mm	1
2.930.35	hex screwdriver with T-handle for screw Ø 4.5 mm until Ø 7.0 mm; length 232 mm	1
10.2636.01	impactor and extractor for KFN	1
Container		
19.348.00	perforated autoclavable container with inset for instruments 2 KFN	1

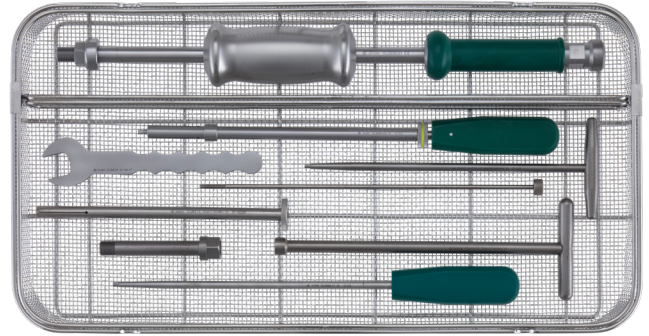
Set KFN IH Titanium



Set 3 instruments; Set no. 19.344.00  Internal hexagon
Container 3 instruments; Item no. 19.349.00

Item no.	Item description	Quant.
Instruments – guide frame system		
10.264.50	guide frame KFN	1
10.264.50/3	locking screw for guide frame KFN	1
10.264.51	cap for guide frame; distal; complete	1
10.264.52	cap for guide frame 130°; complete	1
10.264.55	cap for guide frame 125°; complete	1
Instruments		
10.262.04	bent awl; big	1
10.263.05	open-end wrench; wrench width 17	1
10.264.09	screwdriver for extraction with t-handle	1
10.264.10	fixation rod for screwdriver for extraction; Ø 4.0 x 270 mm	1
10.264.11A	adapter for impactor for guide frame	1
10.264.23	tissue protector	1
10.264.24	plastic hammer	1
10.264.29	hex screwdriver with T-handle; wrench width 8	1
10.264.30/3	locking screw for guide frame KFN	1
Container		
19.349.00	perforated autoclavable container with inset for instruments 3 KFN	1

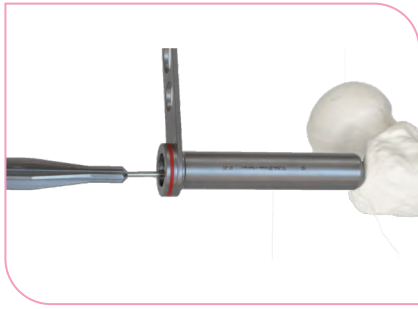
Set KFN-Explantation



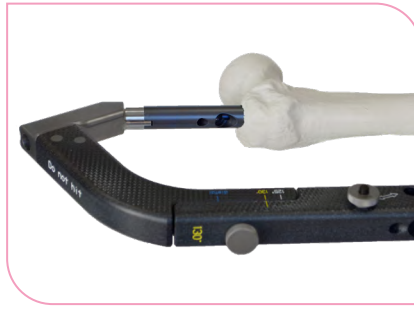
Set no. 19.344.10  Internal hexagon
Container KFN-Explantation; Item no. 19.347.10

Item no.	Item description	Quant.
Instruments		
2.930.35	hex screwdriver with T-handle for screw \varnothing 4.5 mm until \varnothing 7.0 mm, length 232 mm	1
10.2636.01	impactor and extractor for KFN	1
10.263.05	open-end wrench, wrench width 17	1
10.2646.03	hex screwdriver with handle and holding sleeve, wrench width 3.5 mm	1
10.264.09	screwdriver for extraction with t-handle	1
10.264.10	fixation rod for screwdriver for extraction, \varnothing 4.0 mm x 270 mm	1
10.2646.17	hex screwdriver with handle, cannulated, inside \varnothing 2.2 mm, wrench width 3.5 mm	1
10.264.18	unscrewable sleeve, \varnothing 10.0 mm x 200.5 mm	1
10.264.30/3	locking screw for guide frame KFN	1
Container		
19.347.10	Perforated container instruments 4 KFN-Explantation	1

Implantation of the KFN



Markraum eröffnen



Nagel einbringen



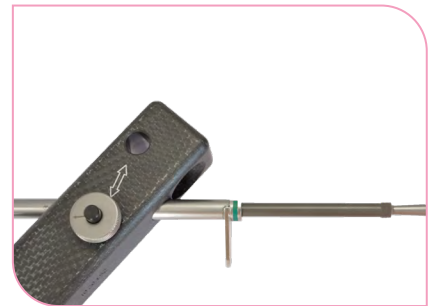
Einbringen der Trageschraube



Einbringen der Kompressionsschraube



Aufbohren mittels kanüliertem Bohrer



Einbringen der Rotations Sicherungsschraube



Einbringen der Verriegelungsschraube



Eindrehen der Verschlusschraube



Implanterter Nagel

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