

Genutech® CCK



Genutech® CCK total knee revision system

Technical Specifications

Introduction

The Genutech® CCK total knee revision system, designed and developed by Surgival, includes the latest technological and biomechanical advances in anthropometry applied to the kinematics and dynamics of the knee joint which, combined with the control and maintenance system of the interline which it incorporates, provides the surgeon with one of the most complete, innovative and distinctive solutions available on the market today.

The Genutech® CCK system is considered an adaptive system, not only because of the possibility of using offsets and supplements on the tibia and femur, but also because of the innovative concept of compatibility between the tray and the tibial insert which simplifies the choice for the surgeon.

Thanks to the great versatility afforded by the system, the surgeon will also find that it meets every specific need, providing solutions where most systems fail to do so (morphometry, abnormal bones, bone deficiencies, etc.).



Genutech® CCK

The system is globally designed, meeting anthropometric criteria, thus faithfully reproducing the natural dynamics and kinematics of the knee.

Ellipsoidal transition profile
Provides high tibial congruency

Intercondylar box
Prevents dislocation and minimises tibial post wear

Optimal distribution of the Implant/Bone surface contact They provide the implant with stability and robustness, in addition to dissipating the dynamic and static pressure which the bone must bear

High range of flexion
The design of the posterior condyles makes it possible to achieve 140° of flexion

The high congruency between the tibial and femoral component over the entire range of flexo-extension movement not only ensures that the system is highly durable and reliable, but it also increases the feeling of comfort for the patient and the recovery of normal joint function.

Technical Specifications

Femoral component

- Cemented component
- Manufactured with special Chrome-Cobalt (crCo) alloy
- 4 anthropometric sizes
- Anterior external surface angled for improved adaptation to the support bone surface

Mirror-polished surface

Provides greater durability to the tibial and patellar joint

Intercondylar patellar channel at a medial-lateral angle of 6°

Variable common radius between lateral and sagittal surfaces
Optimised to ensure the integrity of the soft parts

Post with 5° valgus

Compatible with our entire range of stems

Distal and posterior supplements
Fitted mechanically

Cavities for controlled thickness cementing
Optimal bone-metal interface

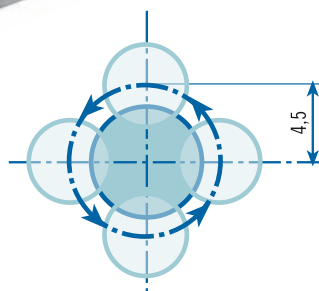
Slit for insertion/extraction



Stems

- Uncemented stems
- Manufactured with Titanium alloy (Ti6Al4V)
- Suitable for tibial and femoral components
- Diaphyseal slots for improved intramedullary vascularisation
- Maximum safety double fixation of stems based on the fitting between the "Morse Cones" of the stem and the femoral or tibial component and the installation of the compression screw

Wide range of offset and straight stems
from 10 to 20 mm de and 70, 120 y 200 mm long



Offset stems

Offset of 4.5 mm and can rotate 360°

Supplements

- Manufactured with Titanium alloy (Ti6Al4V)
- Cavities for cementing



Distal Supplement
Thicknesses 4, 8 and 12 mm

Posterior Supplement
Thicknesses: 4 and 8 mm

Tibial Revision Supplement
Thicknesses 8 and 12 mm

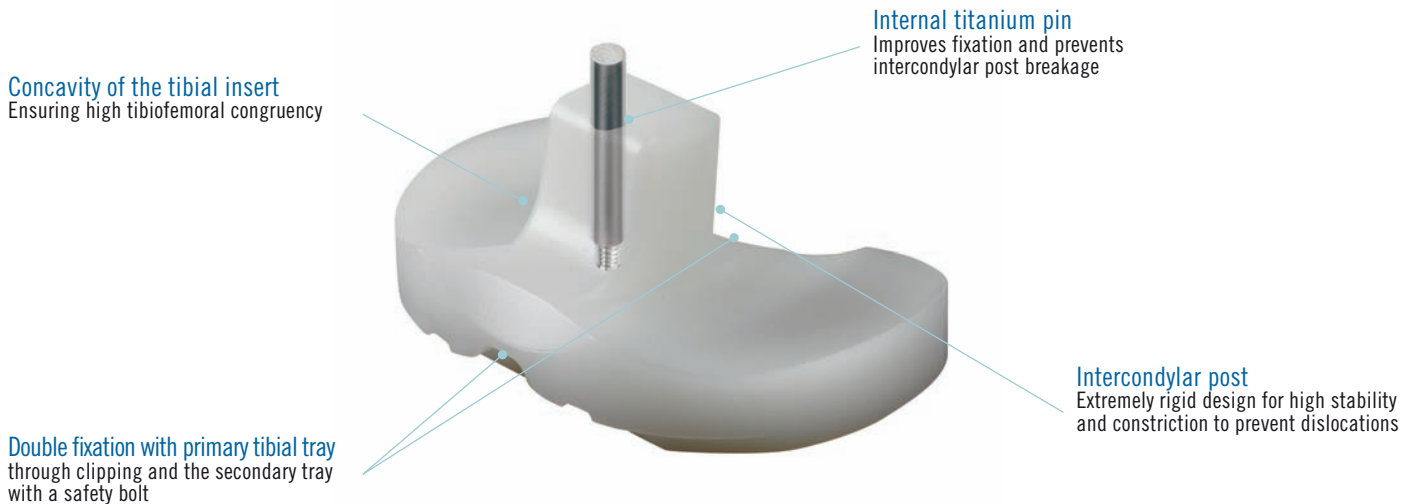
Patella

- Manufactured with Ultra High Molecular Weight Polyethylene (UHMWPE)
- Grooved central post with anti-rotational components
- 5 sizes



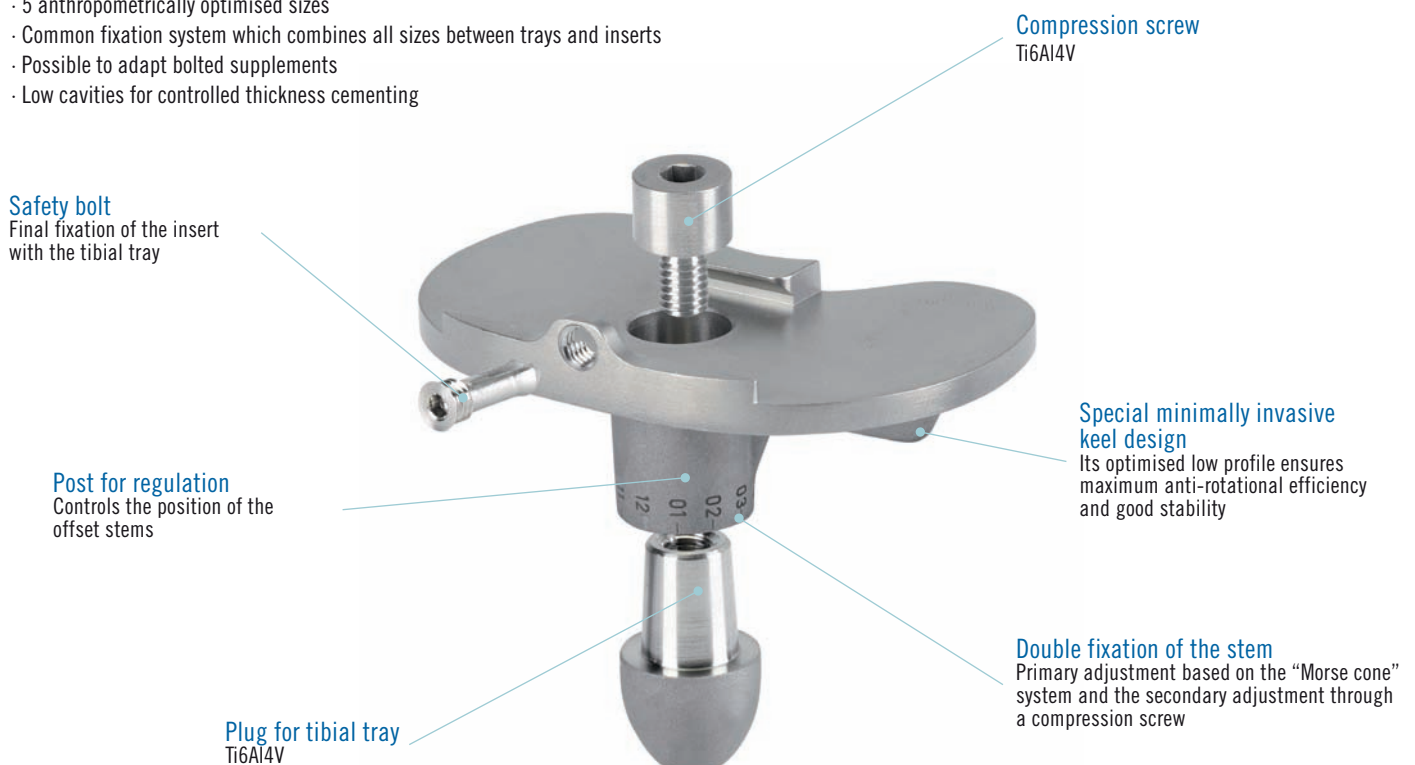
Tibial insert

- Manufactured with Ultra High Molecular Weight Polyethylene (UHMWPE)
- Full compatibility with any size of tibial tray
- Optimised fitting to minimise tibial post wear



Tibial tray

- Manufactured with Titanium alloy (Ti6Al4V)
- 5 anthropometrically optimised sizes
- Common fixation system which combines all sizes between trays and inserts
- Possible to adapt bolted supplements
- Low cavities for controlled thickness cementing





Cemented femoral revision component

Left	Size	Right
Ref. D8023120E	1	Ref. D8023110E
Ref. D8023220E	2	Ref. D8023210E
Ref. D8023320E	3	Ref. D8023310E
Ref. D8023420E	4	Ref. D8023410E



4,5 mm offset revision stem

	Diameter	Length		Diameter	Length
Ref. D8024101E	ø 10 mm	70 mm	Ref. D8024401E	ø 16 mm	70 mm
Ref. D8024102E	ø 10 mm	120 mm	Ref. D8024402E	ø 16 mm	120 mm
Ref. D8024103E	ø 10 mm	200 mm	Ref. D8024403E	ø 16 mm	200 mm
Ref. D8024201E	ø 12 mm	70 mm	Ref. D8024501E	ø 18 mm	70 mm
Ref. D8024202E	ø 12 mm	120 mm	Ref. D8024502E	ø 18 mm	120 mm
Ref. D8024203E	ø 12 mm	200 mm	Ref. D8024503E	ø 18 mm	200 mm
Ref. D8024301E	ø 14 mm	70 mm	Ref. D8024601E	ø 20 mm	70 mm
Ref. D8024302E	ø 14 mm	120 mm	Ref. D8024602E	ø 20 mm	120 mm
Ref. D8024303E	ø 14 mm	200 mm			



Straight revision stem

	Diameter	Length		Diameter	Length
Ref. D8025101E	ø 10 mm	70 mm	Ref. D8025401E	ø 16 mm	70 mm
Ref. D8025102E	ø 10 mm	120 mm	Ref. D8025402E	ø 16 mm	120 mm
Ref. D8025103E	ø 10 mm	200 mm	Ref. D8025403E	ø 16 mm	200 mm
Ref. D8025201E	ø 12 mm	70 mm	Ref. D8025501E	ø 18 mm	70 mm
Ref. D8025202E	ø 12 mm	120 mm	Ref. D8025502E	ø 18 mm	120 mm
Ref. D8025203E	ø 12 mm	200 mm	Ref. D8025503E	ø 18 mm	200 mm
Ref. D8025301E	ø 14 mm	70 mm	Ref. D8025601E	ø 20 mm	70 mm
Ref. D8025302E	ø 14 mm	120 mm	Ref. D8025602E	ø 20 mm	120 mm
Ref. D8025303E	ø 14 mm	200 mm			



Revision tibial tray

	Size
Ref. D8033100E	1
Ref. D8033200E	2
Ref. D8033300E	3
Ref. D8033400E	4
Ref. D8033500E	5



Revision tibial insert

	Size	Length
Ref. D8061100E	1	10 mm
Ref. D8061120E	1	12 mm
Ref. D8061140E	1	14 mm
Ref. D8061160E	1	16 mm
Ref. D8061180E	1	18 mm
Ref. D8061200E	1	20 mm
Ref. D8061220E	1	22 mm
Ref. D8061240E	1	24 mm
Ref. D8062100E	2	10 mm
Ref. D8062120E	2	12 mm
Ref. D8062140E	2	14 mm
Ref. D8062160E	2	16 mm
Ref. D8062180E	2	18 mm
Ref. D8062200E	2	20 mm
Ref. D8062220E	2	22 mm
Ref. D8062240E	2	24 mm
Ref. D8063100E	3	10 mm
Ref. D8063120E	3	12 mm
Ref. D8063140E	3	14 mm
Ref. D8063160E	3	16 mm

	Size	Length
Ref. D8063180E	3	18 mm
Ref. D8063200E	3	20 mm
Ref. D8063220E	3	22 mm
Ref. D8063240E	3	24 mm
Ref. D8064100E	4	10 mm
Ref. D8064120E	4	12 mm
Ref. D8064140E	4	14 mm
Ref. D8064160E	4	16 mm
Ref. D8064180E	4	18 mm
Ref. D8064200E	4	20 mm
Ref. D8064220E	4	22 mm
Ref. D8064240E	4	24 mm

Posterior femoral supplement

	Size	Thickness
Ref. D8026010E	1	4 mm
Ref. D8026015E	1	8 mm
Ref. D8026020E	2	4 mm
Ref. D8026025E	2	8 mm
Ref. D8026030E	3	4 mm
Ref. D8026035E	3	8 mm
Ref. D8026040E	4	4 mm
Ref. D8026045E	4	8 mm



Distal femoral supplement

	Size	Thickness
Ref. D8026150E	1	4 mm
Ref. D8026190E	1	8 mm
Ref. D8026195E	1	12 mm
Ref. D8026250E	2	4 mm
Ref. D8026290E	2	8 mm
Ref. D8026295E	2	12 mm
Ref. D8026350E	3	4 mm
Ref. D8026390E	3	8 mm
Ref. D8026395E	3	12 mm
Ref. D8026450E	4	4 mm
Ref. D8026490E	4	8 mm
Ref. D8026495E	4	12 mm



Tibial supplement

	Size	Thickness
Ref. D8032710E	1	8 mm
Ref. D8032715E	1	12 mm
Ref. D8032720E	2	8 mm
Ref. D8032725E	2	12 mm
Ref. D8032730E	3	8 mm
Ref. D8032735E	3	12 mm
Ref. D8032740E	4	8 mm
Ref. D8032745E	4	12 mm
Ref. D8032750E	5	8 mm
Ref. D8032755E	5	12 mm



Patellar component

	Diameter
Ref. D8030140E	ø 32 mm
Ref. D8030150E	ø 34 mm
Ref. D8030160E	ø 36 mm
Ref. D8030170E	ø 38 mm
Ref. D8030180E	ø 40 mm



Set of Instruments

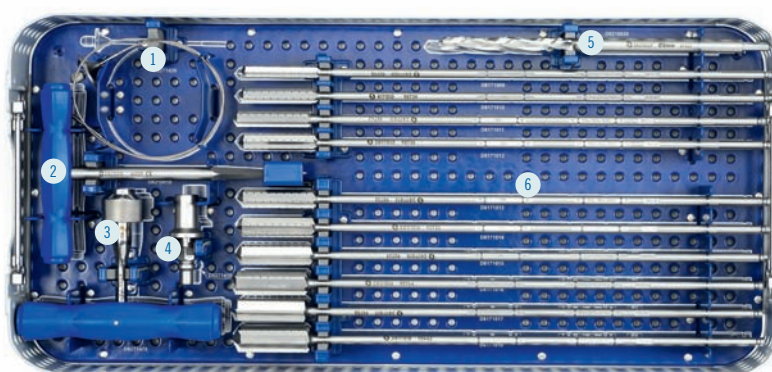
Complete Set of Genutech[®] CCK Revision Instruments *

Ref. D8501000

Genutech[®] CCK Set 0. of intramedullary drilling instruments

1	Revision diaphyseal reamer protection
	Ref. D8271420
2	IM awl
	Ref. D8210010S
3	Quick coupling T-handle key AO-HEXAGONAL
	Ref. D8271475
4	Tri-lobular adaptor
	Ref. D8271410
5	9 mm drill bit
	Ref. D8210020

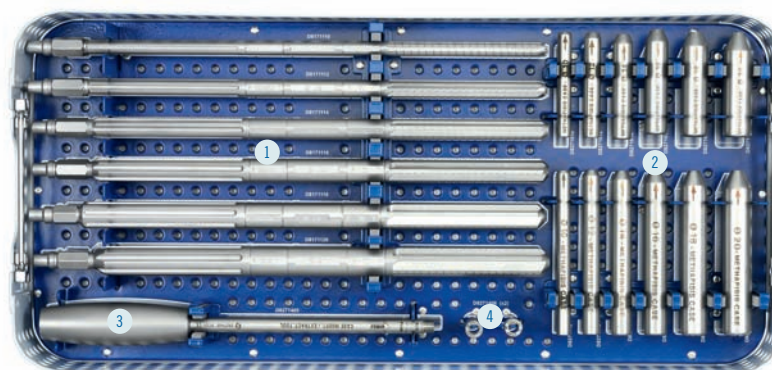
Upper tray



6	Revision diaphyseal reamer	Diameter
	Ref. D8171009	ø 9 mm
	Ref. D8171010	ø 10 mm
	Ref. D8171011	ø 11 mm
	Ref. D8171012	ø 12 mm
	Ref. D8171013	ø 13 mm
	Ref. D8171014	ø 14 mm
	Ref. D8171015	ø 15 mm
	Ref. D8171016	ø 16 mm
	Ref. D8171017	ø 17 mm
	Ref. D8171018	ø 18 mm

1	Revision cannulated reamer	Diameter
	Ref. D8171110	ø 10 mm
	Ref. D8171112	ø 12 mm
	Ref. D8171114	ø 14 mm
	Ref. D8171116	ø 16 mm
	Ref. D8171118	ø 18 mm
	Ref. D8171120	ø 20 mm

Lower tray



3	Inserter/extractor of revision sleeves
	Ref. D8271405
4	Plug of inserter/extractor of revision sleeves
	Ref. D8271406

2	Revision metaphyseal sleeves	Diameter	Length		Diameter	Length
	Ref. D8271010	ø 10 mm	70 mm		Ref. D8271110	ø 10 mm 110 mm
	Ref. D8271012	ø 12 mm	70 mm		Ref. D8271112	ø 12 mm 110 mm
	Ref. D8271014	ø 14 mm	70 mm		Ref. D8271114	ø 14 mm 110 mm
	Ref. D8271016	ø 16 mm	70 mm		Ref. D8271116	ø 16 mm 110 mm
	Ref. D8271018	ø 18 mm	70 mm		Ref. D8271118	ø 18 mm 110 mm
	Ref. D8271020	ø 20 mm	70 mm		Ref. D8271120	ø 20 mm 110 mm

* This complete set can be supplied in water and airtight containers to maintain their sterility, at the customer's request. Contact your distributor or manufacturer.

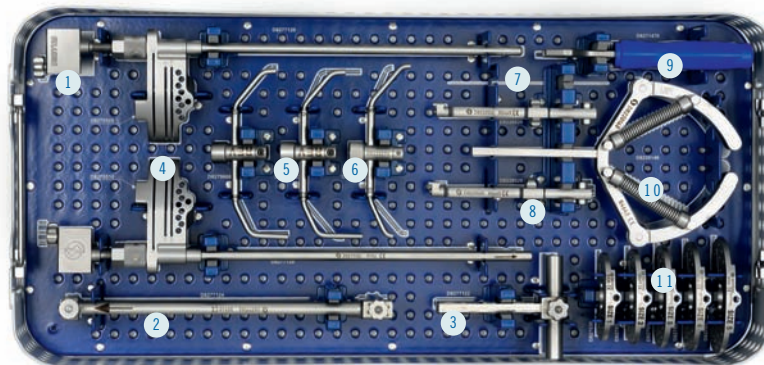
Upper tray

1 Revision telescopic guide system
Ref. D8277120

2 Support base for revision telescopic guide
Ref. D8277122

3 Revision telescopic guide carriers
Ref. D8277124

4 Revision tibial cutting guide
Ref. D8270510 Derecho
Ref. D8270520 Izquierdo



5 Revision probe axle
Ref. D8270608 0-8 mm
Ref. D8270612 0-12 mm

6 Primary semi-constrained tibial probe
Ref. D8220270

7 Probe hook
Ref. D8220290

8 Support handle for tibial template
Ref. D8220520

9 14 mm open-end wrench
Ref. D8271470

10 Distal clamp for tibial guide
Ref. D8220140

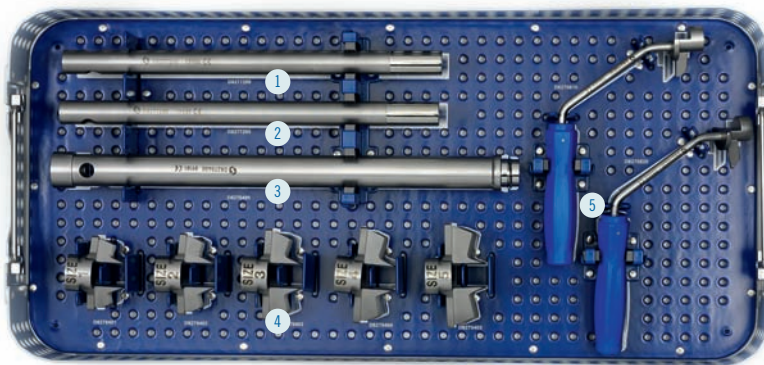
11 Revision tibial template	Size
Ref. D8270301	1
Ref. D8270302	2
Ref. D8270303	3
Ref. D8270304	4
Ref. D8270305	5

Lower tray

1 Revision straight chisel
Ref. D8277200

2 Revision eccentric chisel
Ref. D8277205

3 Threaded rod for revision keel template
Ref. D8270400



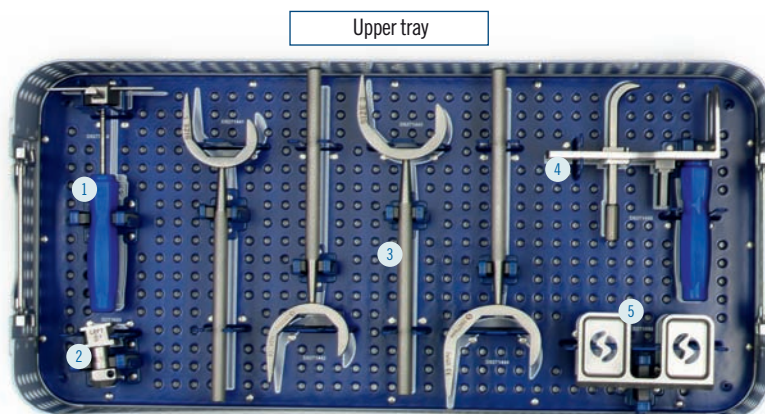
4 Revision keel template	Size
Ref. D8270401	1
Ref. D8270402	2
Ref. D8270403	3
Ref. D8270404	4
Ref. D8270405	5

5 Hemi-keel for revision tibial cut	
Ref. D8270810	Right
Ref. D8270820	Left

Set of Instruments

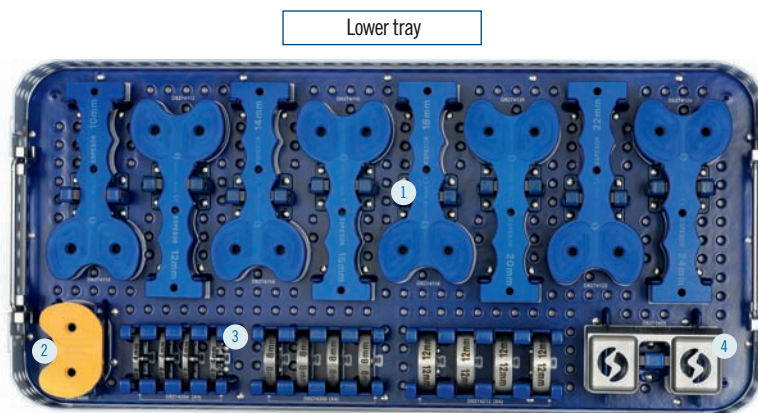
Genutech® CCK Set 2. of tibial/femoral instruments

1	Revision interline sizing guide	
	Ref. D8277140	
2	Revision 5° angular guide	
	Ref. D8271055	
3	Revision femoral sizing guide	Size
	Ref. D8271441	1
	Ref. D8271442	2
	Ref. D8271443	3
	Ref. D8271444	4



4	Primary femoral sizing guide	
	Ref. D8271450	
5	Distal cutting mask	
	Ref. D8271050	

1	Revision tibial spacer	Length
	Ref. D8274110	10 mm
	Ref. D8274112	12 mm
	Ref. D8274114	14 mm
	Ref. D8274116	16 mm
	Ref. D8274118	18 mm
	Ref. D8274120	20 mm
	Ref. D8274122	22 mm
	Ref. D8274124	24 mm



2	Revision femoral spacer	
	Ref. D8274008	
3	Supplement for spacer	Length
	Ref. D8274204	4 mm
	Ref. D8274208	8 mm
	Ref. D8274212	12 mm
4	Revision distal recut mask	
	Ref. D8271455	

Genutech® CCK Set 3. of femoral cutting instruments

1	Revision femoral cutting mask	Size
	Ref. D8270110	1
	Ref. D8270120	2
	Ref. D8270130	3
	Ref. D8270140	4

5	Revision insert positioner	
	Ref. D8271060	Right
	Ref. D8271065	Left

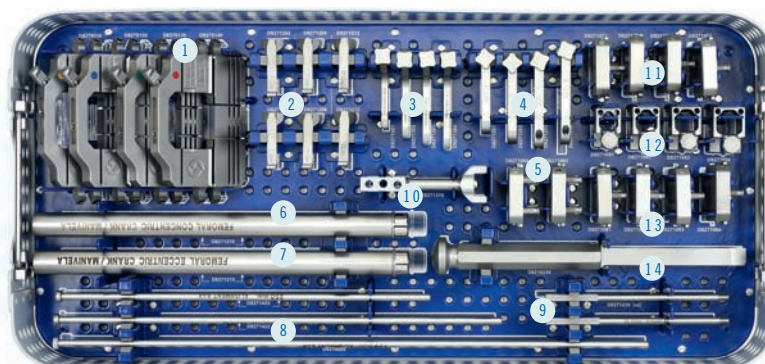
8	Axle alignment	Length
	Ref. D8271425	250 mm
	Ref. D8271422	300 mm
	Ref. D8210080	400 mm

11	Revision cutting insert	Size
	Ref. D8271071	1
	Ref. D8271072	2
	Ref. D8271073	3
	Ref. D8271074	4

2	Revision distal mask shim	Length
	Ref. D8271204	4 mm
	Ref. D8271208	8 mm
	Ref. D8271212	12 mm

3	Revision semi-constrained rod	Size
	Ref. D8271301	1
	Ref. D8271302	2
	Ref. D8271303	3
	Ref. D8271304	4

4	Primary semi-constrained rod	Size
	Ref. D8271251	1
	Ref. D8271252	2
	Ref. D8271253	3
	Ref. D8271254	4



6	Revision concentric chisel	
	Ref. D8271210	

9	Revision horizontal reference rod mask	
	Ref. D8271435	

7	Revision eccentric chisel	
	Ref. D8271215	

10	3° rotation system	
	Ref. D8271310	

12	Revision intercondylar cutting template	Size
	Ref. D8271091	1
	Ref. D8271092	2
	Ref. D8271093	3
	Ref. D8271094	4

13	Revision Intercondylar cutting insert	Size
	Ref. D8271081	1
	Ref. D8271082	2
	Ref. D8271083	3
	Ref. D8271084	4

14	Chisel	
	Ref. D8210220	

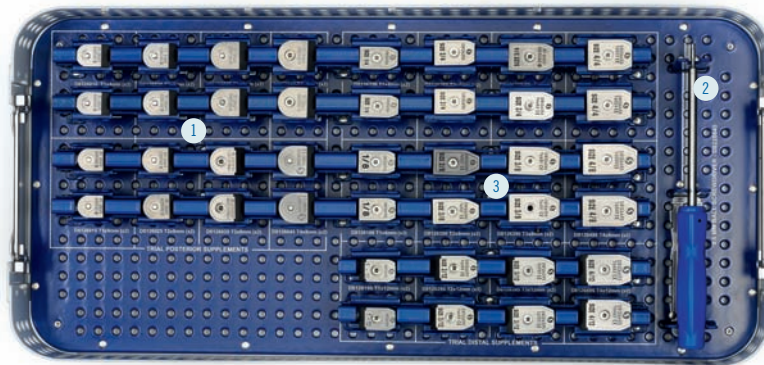
Genutech® CCK

Genutech® CCK Set 4. of femoral trial instruments

Upper tray

1	Posterior trial supplement	Size	Thickness
	Ref. D8126010	1	4 mm
	Ref. D8126015	1	8 mm
	Ref. D8126020	2	4 mm
	Ref. D8126025	2	8 mm
	Ref. D8126030	3	4 mm
	Ref. D8126035	3	8 mm
	Ref. D8126040	4	4 mm
	Ref. D8126045	4	8 mm

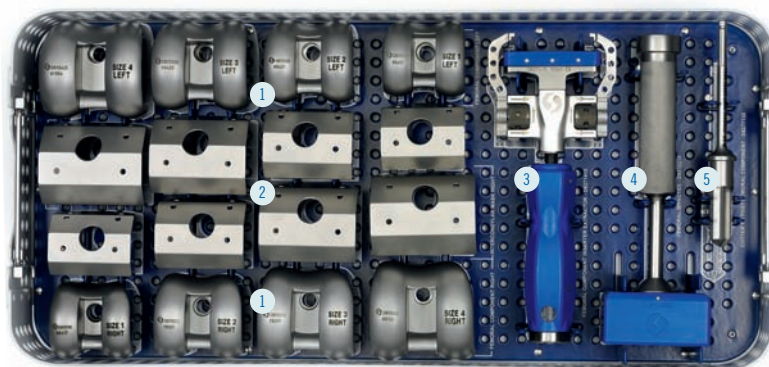
2	2.5 mm hexagonal ball-head screwdriver
	Ref. D8220645



3	Distal trial supplement	Size	Thickness
	Ref. D8126150	1	4 mm
	Ref. D8126190	1	8 mm
	Ref. D8126195	1	12 mm
	Ref. D8126250	2	4 mm
	Ref. D8126290	2	8 mm
	Ref. D8126295	2	12 mm
	Ref. D8126350	3	4 mm
	Ref. D8126390	3	8 mm
	Ref. D8126395	3	12 mm
	Ref. D8126450	4	4 mm
	Ref. D8126490	4	8 mm
	Ref. D8126495	4	12 mm

Lower tray

1	Revision femoral trial components	Size
	Ref. D8113110 Right	1
	Ref. D8113210 Right	2
	Ref. D8113310 Right	3
	Ref. D8113410 Right	4
	Ref. D8113120 Left	1
	Ref. D8113220 Left	2
	Ref. D8113320 Left	3
	Ref. D8113420 Left	4



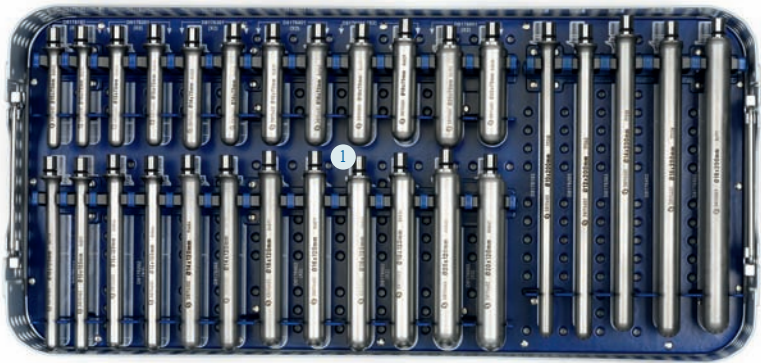
2	Intercondylar mask	Size
	Ref. D8273110 Right	1
	Ref. D8273210 Right	2
	Ref. D8273310 Right	3
	Ref. D8273410 Right	4
	Ref. D8273120 Left	1
	Ref. D8273220 Left	2
	Ref. D8273320 Left	3
	Ref. D8273420 Left	4

3	Inserter/extractor of femoral components
	Ref. D8271415S

4	Femoral impactor
	Ref. D8210210

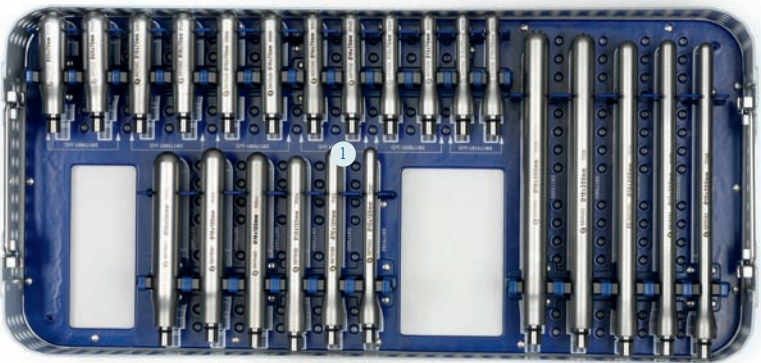
5	Reamer for femoral component post	Diameter
	Ref. D8277130	∅ 16 mm

Upper tray



1	Revision trial offset stem								
	Ref.	Diameter	Length	Ref.	Diameter	Length	Ref.	Diameter	Length
	Ref. D8176101	ø 10 mm	70 mm	Ref. D8176102	ø 10 mm	120 mm	Ref. D8176103	ø 10 mm	200 mm
	Ref. D8176201	ø 12 mm	70 mm	Ref. D8176202	ø 12 mm	120 mm	Ref. D8176203	ø 12 mm	200 mm
	Ref. D8176301	ø 14 mm	70 mm	Ref. D8176302	ø 14 mm	120 mm	Ref. D8176303	ø 14 mm	200 mm
	Ref. D8176401	ø 16 mm	70 mm	Ref. D8176402	ø 16 mm	120 mm	Ref. D8176403	ø 16 mm	200 mm
	Ref. D8176501	ø 18 mm	70 mm	Ref. D8176502	ø 18 mm	120 mm	Ref. D8176503	ø 18 mm	200 mm
	Ref. D8176601	ø 20 mm	70 mm	Ref. D8176602	ø 20 mm	120 mm			

Lower tray



1	Revision trial straight stem								
	Ref.	Diameter	Length	Ref.	Diameter	Length	Ref.	Diameter	Length
	Ref. D8175101	ø 10 mm	70 mm	Ref. D8175102	ø 10 mm	120 mm	Ref. D8175103	ø 10 mm	200 mm
	Ref. D8175201	ø 12 mm	70 mm	Ref. D8175202	ø 12 mm	120 mm	Ref. D8175203	ø 12 mm	200 mm
	Ref. D8175301	ø 14 mm	70 mm	Ref. D8175302	ø 14 mm	120 mm	Ref. D8175303	ø 14 mm	200 mm
	Ref. D8175401	ø 16 mm	70 mm	Ref. D8175402	ø 16 mm	120 mm	Ref. D8175403	ø 16 mm	200 mm
	Ref. D8175501	ø 18 mm	70 mm	Ref. D8175502	ø 18 mm	120 mm	Ref. D8175503	ø 18 mm	200 mm
	Ref. D8175601	ø 20 mm	70 mm	Ref. D8175602	ø 20 mm	120 mm			

Genutech® CCK

Genutech® CCK Set 6. of tibial trial instruments

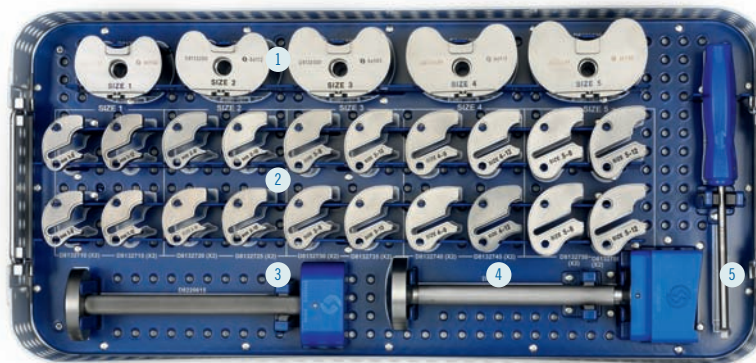
1 Revision trial tibial tray

Ref. D8133100	Size
Ref. D8133200	1
Ref. D8133300	2
Ref. D8133400	3
Ref. D8133500	4
	5

2 Trial tibial supplement

supplement	Size	Thickness
Ref. D8132710	1	8 mm
Ref. D8132715	1	12 mm
Ref. D8132720	2	8 mm
Ref. D8132725	2	12 mm
Ref. D8132730	3	8 mm
Ref. D8132735	3	12 mm
Ref. D8132740	4	8 mm
Ref. D8132745	4	12 mm
Ref. D8132750	5	8 mm
Ref. D8132755	5	12 mm

Upper tray



3 Tibial tray impactor

Ref. D8220615

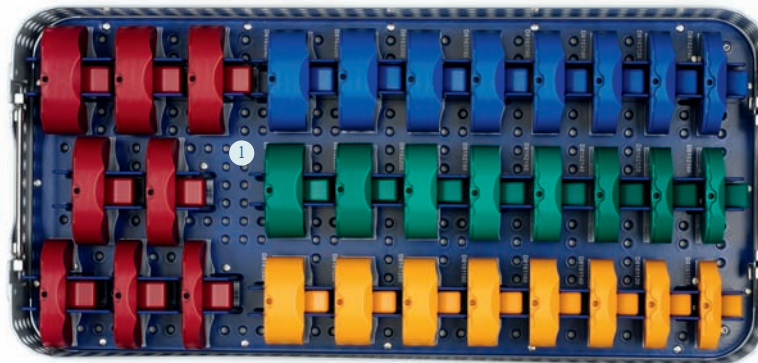
4 Tibial component impactor

Ref. D8220610

5 Tibial insert extractor

Ref. D8220620S

Lower tray



1 Revision trial tibial insert

Insert	Size	Length		Size	Length		Size	Length		Size	Length
Ref. D8161100	1	10 mm	Ref. D8162100	2	10 mm	Ref. D8163100	3	10 mm	Ref. D8164100	4	10 mm
Ref. D8161120	1	12 mm	Ref. D8162120	2	12 mm	Ref. D8163120	3	12 mm	Ref. D8164120	4	12 mm
Ref. D8161140	1	14 mm	Ref. D8162140	2	14 mm	Ref. D8163140	3	14 mm	Ref. D8164140	4	14 mm
Ref. D8161160	1	16 mm	Ref. D8162160	2	16 mm	Ref. D8163160	3	16 mm	Ref. D8164160	4	16 mm
Ref. D8161180	1	18 mm	Ref. D8162180	2	18 mm	Ref. D8163180	3	18 mm	Ref. D8164180	4	18 mm
Ref. D8161200	1	20 mm	Ref. D8162200	2	20 mm	Ref. D8163200	3	20 mm	Ref. D8164200	4	20 mm
Ref. D8161220	1	22 mm	Ref. D8162220	2	22 mm	Ref. D8163220	3	22 mm	Ref. D8164220	4	22 mm
Ref. D8161240	1	24 mm	Ref. D8162240	2	24 mm	Ref. D8163240	3	24 mm	Ref. D8164240	4	24 mm

Set of Instruments

Genutech® CCK Set 7. of patella tools/instruments

Upper tray

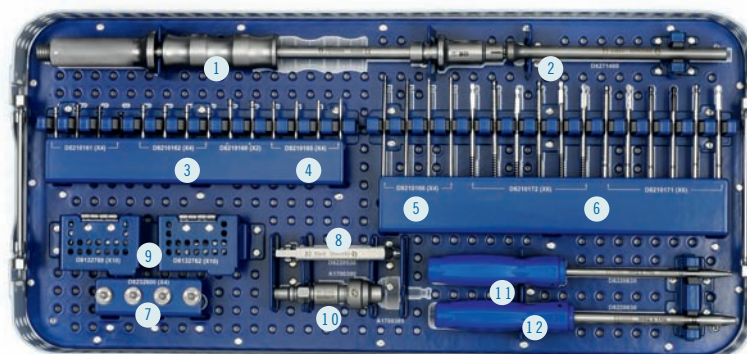
1	Pin extractor
	Ref. D8220280

5	Headless pin	Diameter	Length
	Ref. D8210166	ø 3,4 mm	80 mm

7	Fixation screw for trial tibial tray
	Ref. D8232600

9	Tornillo suplemento tibial de prueba	
	Ref. D8132760	8 mm
	Ref. D8132762	12 mm

2	Pin extracting/impacting auxiliary rod
	Ref. D8271460



3	Pin with head	Diameter	Length
	Ref. D8210161	ø 3,4 mm	30 mm
	Ref. D8210162	ø 3,4 mm	40 mm
	Ref. D8210160	ø 3,4 mm	55 mm

10	AO drill adaptor
	Ref. A1700390 AOHEX

11	Screwdriver
	Ref. D8220635S 2,5 mm

4	Headless support pin	Diameter	Length
	Ref. D8210165	ø 3,4 mm	55 mm

6	Revision threaded pin	Diameter	Length
	Ref. D8210172	ø 4,4 mm	75 mm
	Ref. D8210171	ø 4,4 mm	100 mm

8	Support handle for fixing bolt
	Ref. D8220530

12	Torque wrench 9N	*
	Ref. D8277250	4,5 mm

*The reference doesn't correspond to the image.

Lower tray



1	Drill bit for patella
	Ref. D8230120

2	Clamp for patellar resection
	Ref. D8230110

3	Clamp for patella
	Ref. D8230130

4	Trial patella	Diameter
	Ref. D8130140	ø 32 mm
	Ref. D8130150	ø 34 mm
	Ref. D8130160	ø 36 mm
	Ref. D8130170	ø 38 mm
	Ref. D8130180	ø 40 mm



Tecnología Europea de Vanguardia
Advanced European Technology

Distribuido por: Distributed by:



Parque Tecnológico - C/ Leonardo Da Vinci, 12-14 · 46980 Paterna · (Valencia, Spain)
Tel. (+34) 96 131 80 50 · Fax (+34) 96 131 80 95 · E-mail: surgival@surgival.com
www.surgival.com



IR0GEKCA11 / 07-2015 © Rev. 1

El marcado CE es válido únicamente si también está impreso en la etiqueta del producto.