

# USTAR II™

Hinge Knee & Limb Salvage System



### *A Completed TKA Range –*

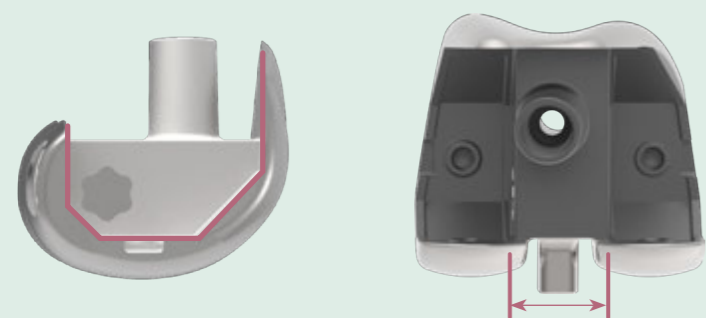
The USTAR II system is designed for extensive reconstruction of the hip and knee joint. Components have been designed based on over 20 years of clinical experience with the USTAR system and inherit the design concepts with the U2 Primary and Revision Knee system.

Intraoperative surgical flexibility to convert different constraint level of implants or even to a limb salvage prosthesis with similar instrumentation concepts



# The USTARII Hinge Knee

Features a small profile, pre-assembled hinge mechanism centered on the femur and tibia with a hinge assembly connected intra-operatively by a single screw.



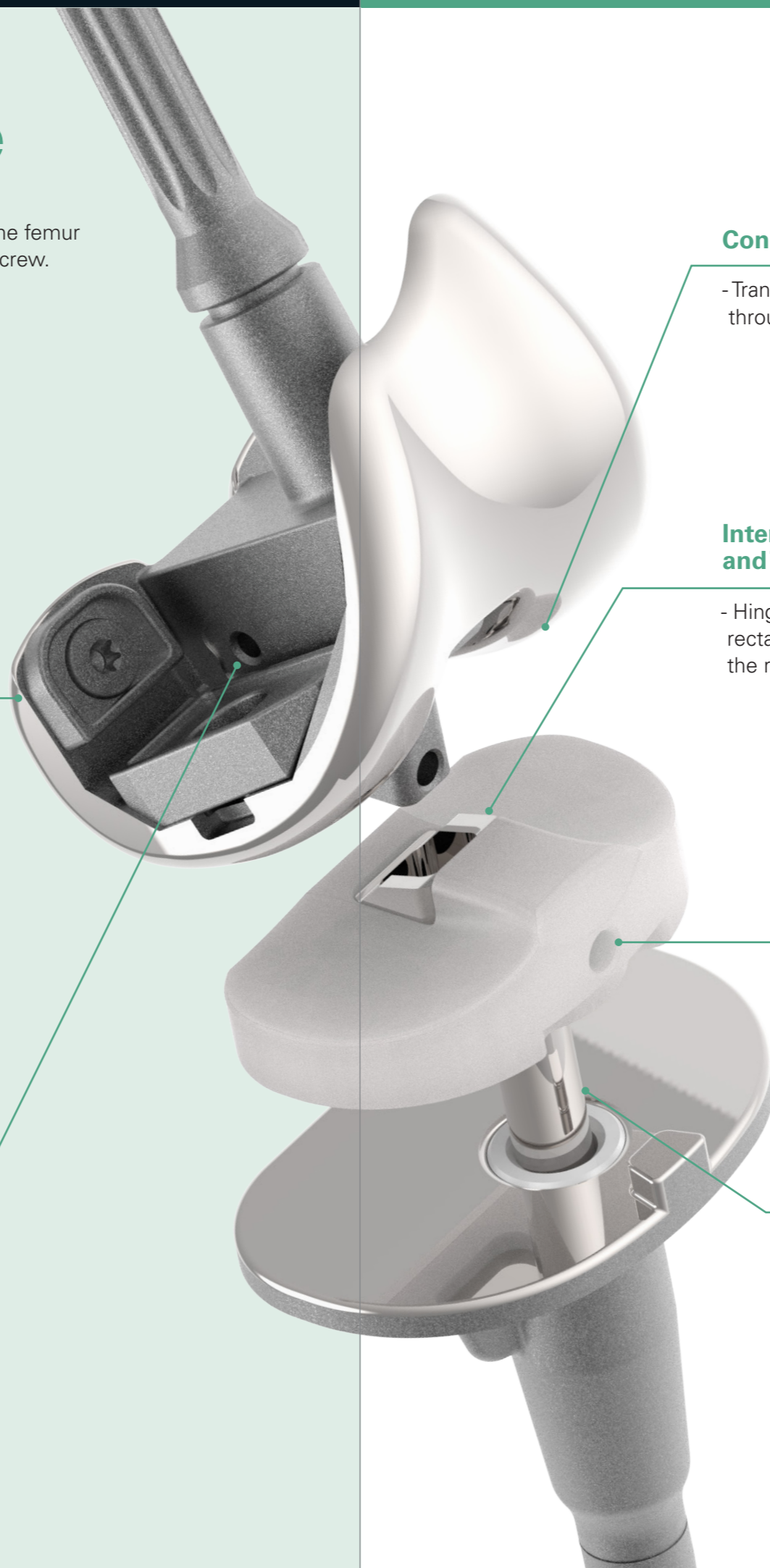
## Small Profile Allows a Smaller Resection

- The same bone preserving condylar resection as the primary knee, and the semi-constraint knee
- Same reduced intercondylar box preparation width equal with primary PS knee, which reduces the risk of femoral condylar fracture



## Pre-assembled Hinge Mechanism

- On the hinge mechanism is pre-assembled inside the femoral component to reduce surgical time and potential for wear and cement debris



## Condylar Loading Design

- Transferring force to tibial condyles throughout the range of motion

## Interlocking Femoral Component and Tibial Insert

- Hinge assembly is connected with a rectangular inter-locking design to control the rotational movement of the XPE insert

## Connected Intra-operatively by a Single Screw

- Set screw is pre-positioned in the tibial insert

## Forged Tibial Post

- The long cylindrical post enables stable distraction against luxation that would often occur in a knee joint where the ligaments have been removed



# The USTARII Limb Salvage Solution

Features a comprehensive range of segment and stem options, soft tissue friendly components with more secured connection. The bone preserving implant design allows the possibility to salvage more bone.



## Comprehensive Segment Options

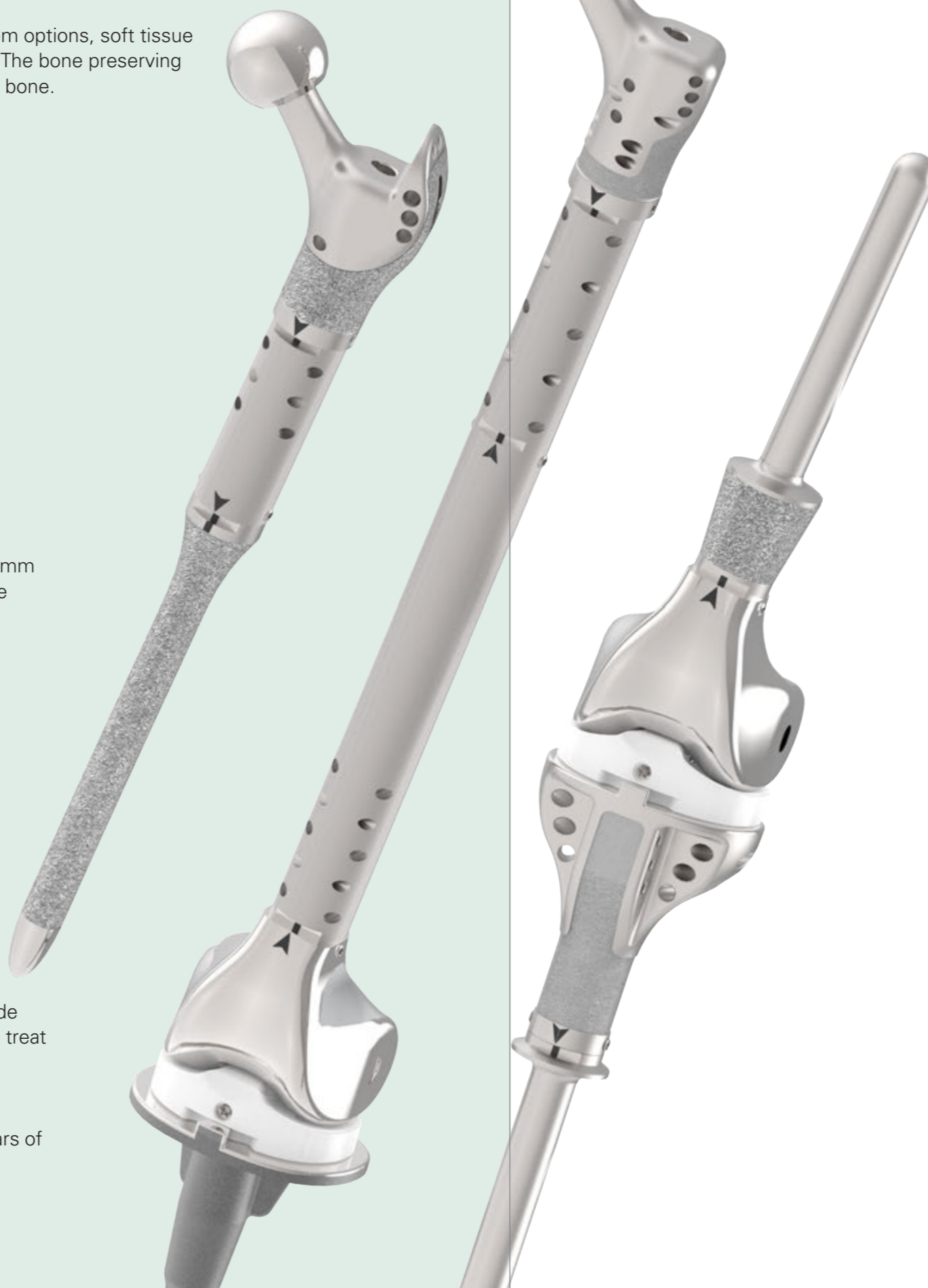
- 21 segment length options from 25 mm to 220 mm with suture/wire holes distributed adjacent to the components



## Multiple Stem Options

- The USTAR II system takes advantage of the wide range of available stem lengths and diameters to treat majority of cases

- The titanium plasma coating surface have demonstrated biocompatibility through many years of use at previous USTAR system



## Tissue Friendly Components

- The distribution of the suture/wire holes and the extensive coating area creates additional possibilities for the implant assemblies to attach with the bone and tissues



## More Secured Junction

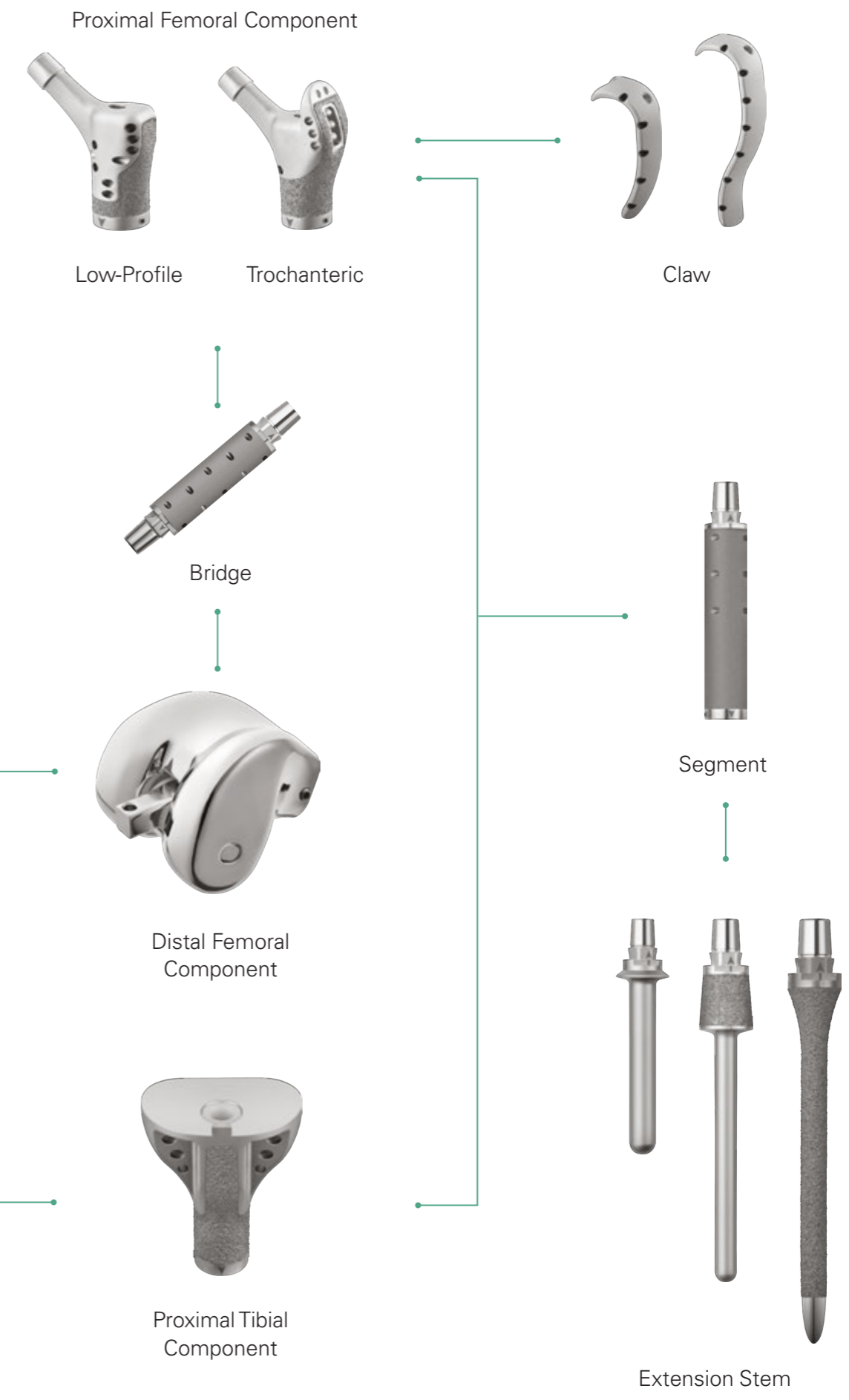
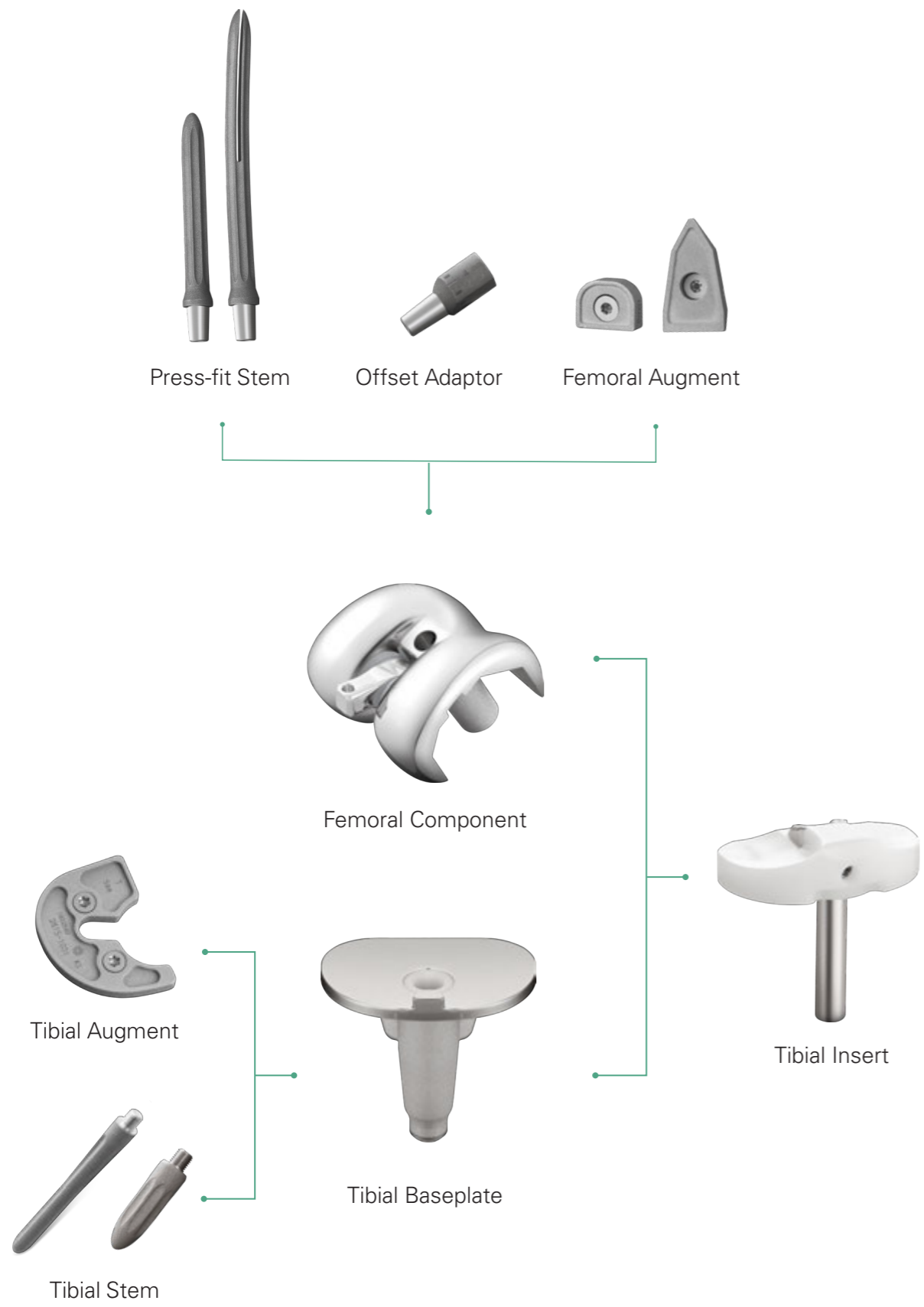
- The concave recesses on both side of taper connection accept a pair of set screws. These recesses are available at the segment parts, the bridge part, and the stems. With these secondary fixation, doubled pull out strength of the trunnion connection



## More Salvaged

- Patient may benefit from the smaller profile of the components. A minimal replaced implant length starts from 61 mm for distal femoral replacement, 70 mm for proximal femoral replacement, and 87 mm for proximal tibial replacement

# The USTARII System Overview



# Order Information

## Proximal Femoral Component



Trochanteric	
Left	Right
1115-9110	1115-9210



Low Profile	
Left	Right
1115-9120	1115-9220

\* Low Profile type is not CE Marked

## Femoral Component



	Left	Right	A/P	M/L
#1	2115-1310	2115-1410	52	56
#2	2115-1320	2115-1420	56	60
#3	2115-1330	2115-1430	60	64
#4	2115-1340	2115-1440	64	68
#5	2115-1350	2115-1450	68	72
#6	2115-1360	2115-1460	72	76

## Distal Femoral Component



	Left	Right	A/P	M/L
S	2115-3310	2115-3410	52	56

## XPE Tibial Insert



	12 mm	14 mm	17 mm	20 mm	23 mm	26 mm	30 mm
S	2315-3211	2315-3212	2315-3213	2315-3214	2315-3215	2315-3216	2315-3217
M	2315-3241	2315-3242	2315-3243	2315-3244	2315-3245	2315-3246	2315-3247

## Tibial Baseplate



	Cat. No.	A/P	M/L
#1	2215-1410	42	63
#2	2215-1420	45	66
#3	2215-1430	47	69
#4	2215-1440	50	72
#5	2215-1450	53	76
#6	2215-1460	56	80

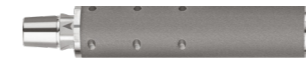
## Proximal Tibial Component



	Cat. No.	A/P	M/L
S	2215-3410	42	63

# Order Information

## Segment Parts

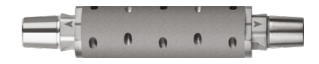


25 mm	30 mm	40 mm	50 mm	60 mm	70 mm	80 mm
2915-1025	2915-1030	2915-1040	2915-1050	2915-1060	2915-1070	2915-1080

90 mm	100 mm	110 mm	120 mm	130 mm	140 mm	150 mm
2915-1090	2915-1100	2915-1110	2915-1120	2915-1130	2915-1140	2915-1150

160 mm	170 mm	180 mm	190 mm	200 mm	210 mm	220 mm
2915-1160	2915-1170	2915-1180	2915-1190	2915-1200	2915-1210	2915-1220

## Bridge Component



80 mm
2915-3080

## Cemented Stem



Standard



Non-Coated

	Straight		Curved	
	100 mm	125 mm	125 mm	150 mm
Ø9	2715-1009	2715-1109	2515-1109	2515-1209
Ø11	2715-1011	2715-1111	2515-1111	2515-1211
Ø13	2715-1013	2715-1113	2515-1113	2515-1213
Ø15	2715-1015	2715-1115	2515-1115	2515-1215
Ø17	2715-1017	2715-1117	2515-1117	2515-1217

	Straight		Curved	
	100 mm	125 mm	125 mm	150 mm
Ø9	2715-3009	2715-3109	2515-3109	2515-3209
Ø11	2715-3011	2715-3111	2515-3111	2515-3211
Ø13	2715-3013	2715-3113	2515-3113	2515-3213
Ø15	2715-3015	2715-3115	2515-3115	2515-3215
Ø17	2715-3017	2715-3117	2515-3117	2515-3217

## Full-Coated Cementless Stem



	Straight		Curved	
	150 mm	200 mm	150 mm	200 mm
Ø11	1115-3211	1115-3411	1115-1211	1115-1411
Ø13	1115-3213	1115-3413	1115-1213	1115-1413
Ø15	1115-3215	1115-3415	1115-1215	1115-1415
Ø17	1115-3217	1115-3417	1115-1217	1115-1417

# Order Information

## Femoral Component Accessories



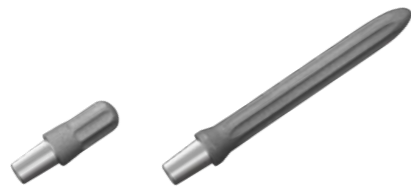
	Distal Femoral Augment					
	4 mm LM / RL	4 mm LL / RM	8 mm LM / RL	8 mm LL / RM	12 mm	16 mm
#1	2603-5111	2603-5211	2603-5112	2603-5212	2603-5313	2603-5314
#2	2603-5121	2603-5221	2603-5122	2603-5222	2603-5323	2603-5324
#3	2603-5131	2603-5231	2603-5132	2603-5232	2603-5333	2603-5334
#4	2603-5141	2603-5241	2603-5142	2603-5242	2603-5343	2603-5344
#5	2603-5151	2603-5251	2603-5152	2603-5252	2603-5353	2603-5354
#6	2603-5161	2603-5261	2603-5162	2603-5262	2603-5363	2603-5364



	Posterior Femoral Augment	
	4 mm	8 mm
#1	2603-5011	2603-5012
#2	2603-5021	2603-5022
#3	2603-5031	2603-5032
#4	2603-5041	2603-5042
#5	2603-5051	2603-5052
#6	2603-5061	2603-5062



	Offset Adaptor		
	2 mm	4 mm	6 mm
	2903-1010	2903-1020	2903-1030



	Straight Femoral Stem				
	30 mm	75 mm	100 mm	150 mm	200 mm
Ø10	NA	2703-5011	2703-5021	2703-5051	2703-5061
Ø12	NA	2703-5012	2703-5022	2703-5052	2703-5062
Ø14	2703-5003	2703-5013	2703-5023	2703-5053	2703-5063
Ø16	NA	2703-5014	2703-5024	2703-5054	2703-5064
Ø18	NA	2703-5015	2703-5025	2703-5055	2703-5065
Ø20	NA	2703-5016	2703-5026	2703-5056	2703-5066
Ø22	NA	2703-5017	2703-5027	2703-5057	2703-5067
Ø24	NA	2703-5018	2703-5028	2703-5058	NA



	Curved Femoral Stem	
	150 mm	200 mm
Ø10	2703-5031	2703-5041
Ø12	2703-5032	2703-5042
Ø14	2703-5033	2703-5043
Ø16	2703-5034	2703-5044
Ø18	2703-5035	2703-5045
Ø20	2703-5036	2703-5046
Ø22	2703-5037	2703-5047
Ø24	2703-5038	NA

# Order Information

## Tibial Baseplate Accessories



	Tibial Augment			
	5 mm	10 mm	15 mm LM / RL	15 mm LL / RM
#1	2815-1011	2815-1012	2815-1113	2815-1213
#2	2815-1021	2815-1022	2815-1123	2815-1223
#3	2815-1031	2815-1032	2815-1133	2815-1233
#4	2815-1041	2815-1042	2815-1143	2815-1243
#5	2815-1051	2815-1052	2815-1153	2815-1253
#6	2815-1061	2815-1062	2815-1163	2815-1263



	Cemented Tibial Stem			
	20 mm	45 mm	70 mm	95 mm
Ø9	2715-5109	2715-5209	2715-5309	2715-5409



	Press-Fit Tibial Stem			
	45 mm	70 mm	95 mm	120 mm
Ø12.5	2715-7212	2715-7312	2715-7412	2715-7512
Ø14	2715-7214	2715-7314	2715-7414	2715-7514

## Cement Restrictor



Size	Cat. No.	Flange Diameter (Up / Down) mm
8 C	1907-1008	12 / 9
10 C	1907-1010	14 / 11
12 C	1907-1012	16 / 13
14 C	1907-1014	18 / 15
16 C	1907-1016	20 / 17
18 C	1907-1018	22 / 19

# Order Information

## BIOLOX<sup>®</sup> *delta* Ceramic Head



	-3 mm	-2.5 mm	+1 mm	+4 mm	+5 mm	+8 mm	+9 mm
Ø28	NA	1203-5028	1203-5228	1203-5428	NA	NA	NA
Ø32	1203-5032	NA	1203-5232	NA	1203-5432	1203-5632	NA
Ø36	1203-5036	NA	1203-5236	NA	1203-5436	NA	1203-5636
Ø40	1203-1036	NA	1203-1136	NA	1203-1236	NA	1203-1436

\*BIOLOX<sup>®</sup> is a registered trademark of the CeramTec Group, Germany

## U2 Femoral Head



	-3 mm	-2 mm	+0 mm	+2.5 mm	+3 mm	+5 mm	+6 mm	+7.5 mm	+9 mm	+10 mm
Ø22	NA	NA	1206-1122	NA	1206-1322	NA	1206-1522	NA	1206-1722	NA
Ø26	NA	1206-1026	1206-1126	NA	1206-1326	NA	1206-1526	NA	1206-1726	NA
Ø28	1206-1028	NA	1206-1128	1206-1228	NA	1206-1428	NA	1206-1628	NA	1206-1828
Ø32	1206-1032	NA	1206-1132	1206-1232	NA	1206-1432	NA	1206-1632	NA	1206-1832
Ø36	1206-1036	NA	1206-1136	1206-1236	NA	1206-1436	NA	1206-1636	NA	1206-1836

# Order Information

## Trochanteric Claw



Size	Cat. No.
Small	1915-1010
Large	1915-1020

\* Trochanteric Claws are not CE Marked

## Femoral Screw



M5 x 14 mm	2903-1014
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# Size #XS Implants

## Femoral Component



Left	Right	A/P	M/L
2115-1300	2115-1400	45	50

## Distal Femoral Component



Left	Right	A/P	M/L
2115-3300	2115-3400	45	50

## XPE Tibial Insert



12 mm
2315-3201

## Proximal Tibial Component



Cat. No.	A/P	M/L
2215-3400	38	58

## Tibial Baseplate



Cat. No.	A/P	M/L
2215-1400	38	58



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