

T-2 HIP PROSTHESIS REVISION STEM



ENG

We produce
advanced
systems
for you



T-2 HIP PROSTHESIS REVISION STEM

In revision arthroplasty especially in cases of osteolysis or large cement mantels the extended femoral defects can cause intraoperatively shaft fractures when removing the stem. The defects and fractures must be bridged by a long stem. The implant has to be adapted exactly to the diameter of the cortical tube and has to be placed distally beyond the pathologic area where stress pattern become normal.

The modular hip revision implant system Ti6Al4V ELI alloy consist of the single modular elements, stems, proximal body and safety screw. All elements are able to be fixed rotationally free. The stems are available in three different length of 142-172-212 mm straight with eight different diameters.

These components do really guarantee to solve all intraoperative situations as soon as the surgeon sees the defect during revision. A torque limiter fixes the compression force between the single modules always at the same value of torque.

Material: The T-2 REVISION HIP PROSTHESIS is manufactured from titanium Ti6Al4V ELI according to ASTM F136 - ISO

5832/3 which has been specifically designed for the manufacture of orthopaedic implants. This alloy is characterized by demonstrating excellent biocompatibility, together with a high resistance of corrosion and superiormechnical strength. The roughened surface finish also plays a vital role in the osseointegration.



T-2 HIP PROSTHESIS

REVISION - UNCEMENTED

T2 HIP PROSTHESIS BODY WITH TENDON HOLES

- Titanium Alloyed
- Plasma + HA Coated

Titanium		
Size	Length	Code
XXShort	36 mm	10258030036
XShort	42 mm	10258030042
Short	48 mm	10258030048
Medium	58 mm	10258030058
Long	68 mm	10258030068



T-2 HIP PROSTHESIS FIXATION BOLT

- Titanium Alloyed

Titanium		
Size	Length	Code
XX-Short	23 mm	10255022023
X-Short	29 mm	10255022029
Short	35 mm	10255022035
Medium	45 mm	10255022045
Long	55 mm	10255022055



T-2 HIP PROSTHESIS STEM

- Titanium Alloyed
- Plasma + HA Coated

Titanium		
Size	Length	Code
13 mm	142 mm	10258130142
13 mm	172 mm	10258130172
13 mm	212 mm	10258130212
14 mm	142 mm	10258140142
14 mm	172 mm	10258140172
14 mm	212 mm	10258140212
15 mm	142 mm	10258150142
15 mm	172 mm	10258150172
15 mm	212 mm	10258150212
16 mm	142 mm	10258160142
16 mm	172 mm	10258160172
16 mm	212 mm	10258160212
17 mm	142 mm	10258170142
17 mm	172 mm	10258170172
17 mm	212 mm	10258170212

Titanium		
Size	Length	Code
18 mm	142 mm	10258180142
18 mm	172 mm	10258180172
18 mm	212 mm	10258180212
19 mm	142 mm	10258190142
19 mm	172 mm	10258190172
19 mm	212 mm	10258190212
20 mm	142 mm	10258200142
20 mm	172 mm	10258200172
20 mm	212 mm	10258200212
22 mm	142 mm	10258222142
22 mm	172 mm	10258222172
22 mm	212 mm	10258222212
24 mm	142 mm	10258242142
24 mm	172 mm	10258242172
24 mm	212 mm	10258242212



T-2 HIP PROSTHESIS REVISION - UNCEMENTED

Surgical Technique

Preparation of The Femur With The Reamers

If diaphyseal fixation is required, the femur is prepared with the reamers, which have the role of giving the medullary canal a conical shape. To obtain bone-implant contact as a surface with the reamers, three rules have to be complied with:

- ① **Stay Close to The Fixation Area** : If the press-fit area can be in the proximal diaphyseal area, preparation through the endofemoral approach is possible. If the press-fit area has to be in the isthmus of the femur, it is often preferable to carry out a femoral flap.
- ② **Ream a Straight Segment of The Femur** : The role of the reamers is to give the medullary canal a conical shape, and they are only effective if there is a certainty of working on a straight segment of the femur.
- ③ **Ream a Short Segment of The Femur** : It is easier to make a segment of the femur "conical" if the height of this area is not too large.

! *The references provided by the reamer (diameter and length) are only indicative for the choice of the definitive implant, which must always be done with a test prosthesis.*



Preparing The Femur With The Rasps

It is only possible to prepare a bone-implant contact surface with the rasps if an endofemoral approach is chosen and the primary stability area is situated in the metaphyseal-diaphyseal area of the femur (in revision procedures it is rarely possible to achieve fixation in the metaphyseal area). In this case, take advantage of the modularity of the rasp to perform a two-stage preparation of the medullary canal.

Impact the assembled rasp, and when its depth of penetration corresponds to the one achieved in the previous stage, a perfect bone implant contact in the metaphysealdiaphyseal area is guaranteed.



Trial Reduction

Mounting of the test stem test body and test head for T2 REVISION HIP PROSTHESIS. Removal of the tests.



Implant Fixation

The stem is impacted into the prepared bed with the Shaft impactor. The intensity of the hammer blows should be adjusted to the bone quality. The body is impacted with the Body impactor. The Fixation Bolt is screwed onto the thread of the connecting taper of the implant with the Screw Driver.

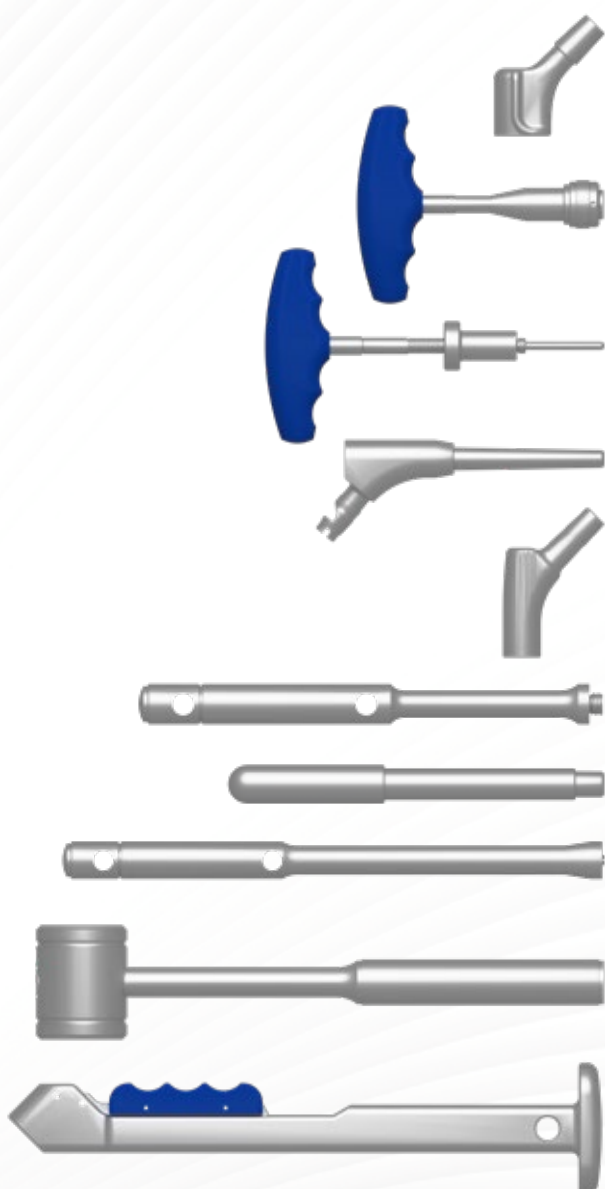
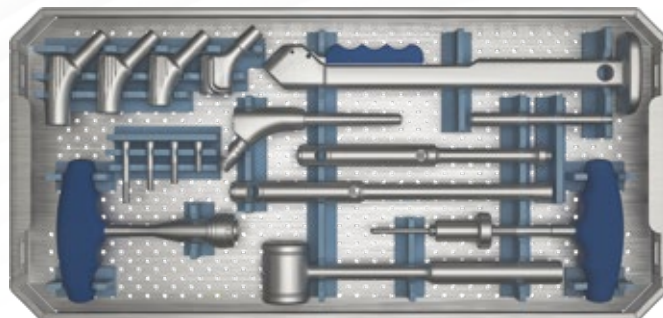


T-2 HIP PROSTHESIS REVISION - UNCEMENTED

Instrumentation Set

TRAY 1

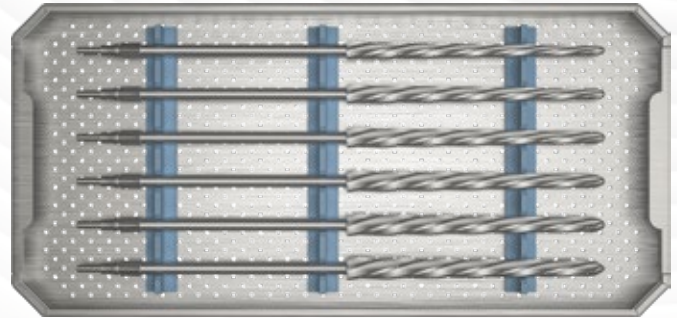
18003080002



Code	Description	Unit
10608642001	TEST BODY FOR T2 CALCAR BODY	1
10610040001	T- HANDLE	1
10611060001	T-2 HEAD REMOVER	1
10610011045	T2 GUIDE RASP	1
10608632042	T2 TYPE CEMENTLESS PROSTHESIS - TEST BODY/ Tİ - 42 XS	1
10608632048	T2 TYPE CEMENTLESS PROSTHESIS - TEST BODY/ Tİ - 48 S	1
10608632058	T2 TYPE SEMENTLESS PROSTHESIS - TEST BODY/ Tİ - 58 M	1
10607121003	BODY IMPACTOR	1
10607121001	IMPACTOR BAR	1
10607121002	SHAFT IMPACTOR	1
10607011002	HAMMER - INOX	1
10610011050	MODULAR RASP HANDLE	1

TRAY 2

18003080002



Code	Description	Unit
10610131013	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 13	1
10610131014	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 14	1
10610131015	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 15	1
10610131016	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 16	1
10610131017	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 17	1
10610131018	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 18	1
10610131019	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 19	1
10610131019	REAMER FOR T-2 REVISION HIP PROSTHESIS / Ø 20	1

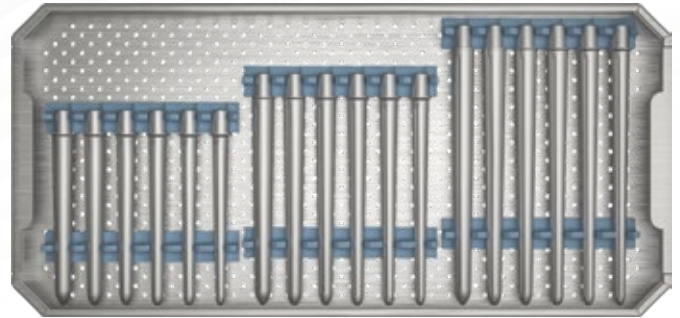


T-2 HIP PROSTHESIS REVISION - UNCEMENTED

Instrumentation Set

TRAY 3

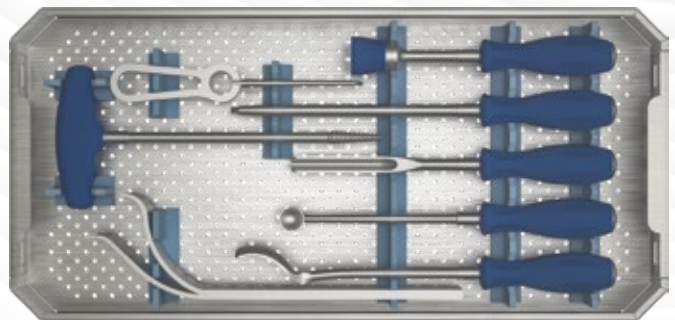
18003080002



Code	Description	Unit
10608310003	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø13 X 142	1
10608310013	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø13 X 172	1
10608310023	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø13 X 212	1
10608310004	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø14 X 142	1
10608310014	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø14 X 172	1
10608310024	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø14 X 212	1
10608310005	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø15 X 142	1
10608310015	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø15 X 172	1
10608310025	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø15 X 212	1
10608310006	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø16 X 142	1
10608310016	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø16 X 172	1
10608310026	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø16 X 212	1
10608310007	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø17 X 142	1
10608310017	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø17 X 172	1
10608310027	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø17 X 212	1
10608310008	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø18 X 142	1
10608310018	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø18 X 172	1
10608310028	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø18 X 212	1
10608310009	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø19 X 142	1
10608310019	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø19 X 172	1
10608310029	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø19 X 212	1
10608310010	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø20 X 142	1
10608310020	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø20 X 172	1
10608310030	T-2 REVISION HIP PROSTHESIS TEST STEM / Ø20 X 212	1

TRAY 4

18003080002



Code	Description	Unit
10602101101	HOHMANN RETRACTOR - TYPE 1	1
10602101102	HOHMANN RETRACTOR - TYPE 2	1
10605210103	GUJ CURETTE	1
10605210005	SPOON CURETTE	1
10602041002	BONE HOOK / BLUNT	1
10604010004	SCREW DRIVER - 5mm	1
10607020003	FEMORAL HEAD IMPACTOR	1
10605210025	SPATUL CURETTE	1
10606100001	FEMORAL HEAD EXTRACTOR	1

“
the key in
orthopaedic
sciences
”

TPS-ST-14 Revision 05 / Printed in Türkiye - 02/24 - Tıpsan Design



Tıpsan Tıbbi Aletler San. ve Tic. A.Ş.

Yunus Emre Mahallesi,
7404/1 Sokak No:3, 35060
Pınarbaşı, Bornova / İzmir - Türkiye

Tel : +90 232 479 5654

+90 232 479 8785

Fax : +90 232 479 5827

E-posta : pazarlama@tipsan.com.tr
export@tipsan.com.tr

www.tipsan.com.tr

