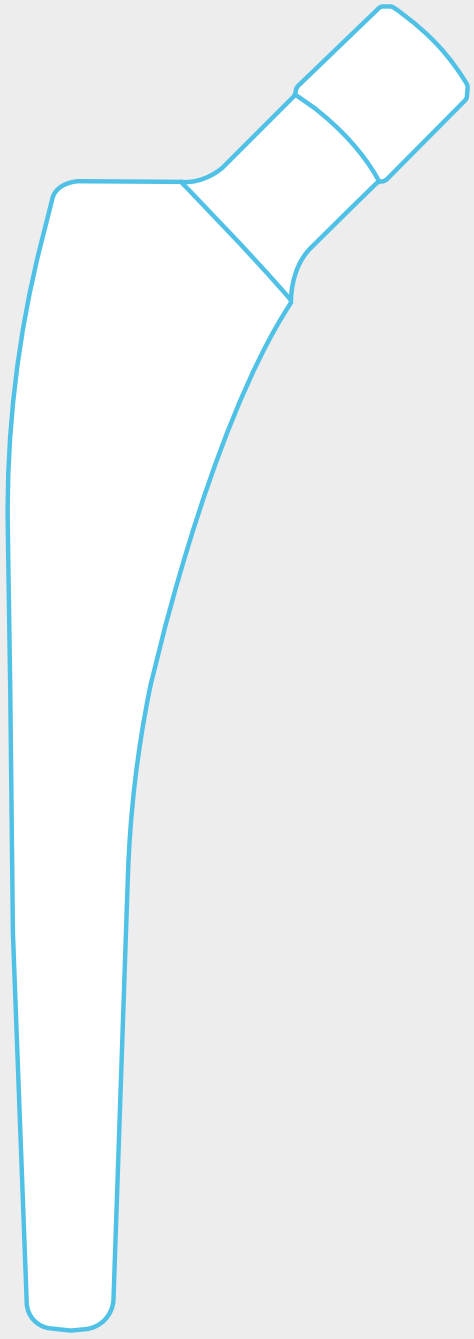
hipprosthesiscatalog

tst | Orthopedic Implants



suprart 1

suprart 1

Made of CoCrMo

Cemented or cementless application

135º neck <ngle

Sterile packaging

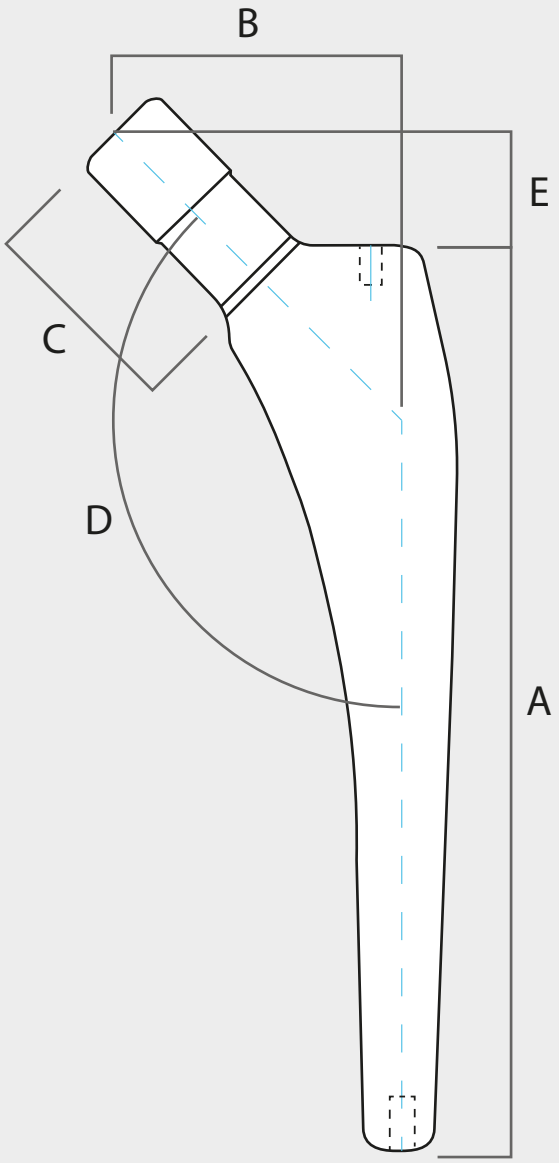
12/14 tapering joint

6 mm to 16 mm, 1 mm diameter increment

11 different length options

Tapering distal part

Tapering structure and round distal end, ensure a proper replacement and total hold to the medulla.
It can be applied as cemented or cementless with coated or uncoated options.
Supra Art Stem Porous coating, Hydroxyapatite coating or double (PC+HA) coating options are available.
Body diameter options from 6 mm to 16 mm are available.

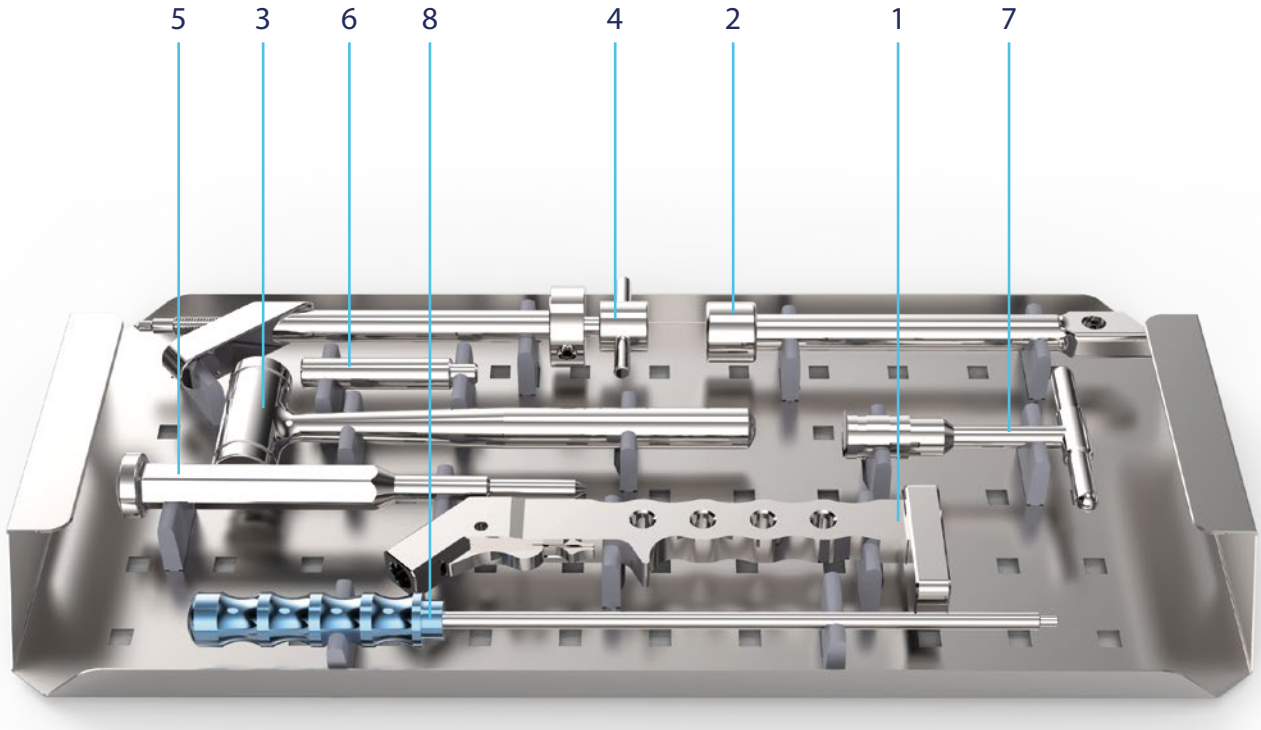


Diameter (mm)	Stem Length (mm) (A)	Offset (mm) (B)	Neck Length (mm) (C)	Neck Shaft Angle (°) (D)	Neck Stem Length (mm) (E)
6	114.5	39.5	32	135	19
7	117	40.5	32	135	19
8	122.5	41.5	32	135	19
9	130	42	32	135	19
10	135	43	32	135	19
11	137	43.5	32	135	19
12	140	43.5	32	135	19
13	145	44	32	135	19
14	148	44	32	135	19
15	152	44.5	32	135	19
16	157	45	32	135	19

Instruments

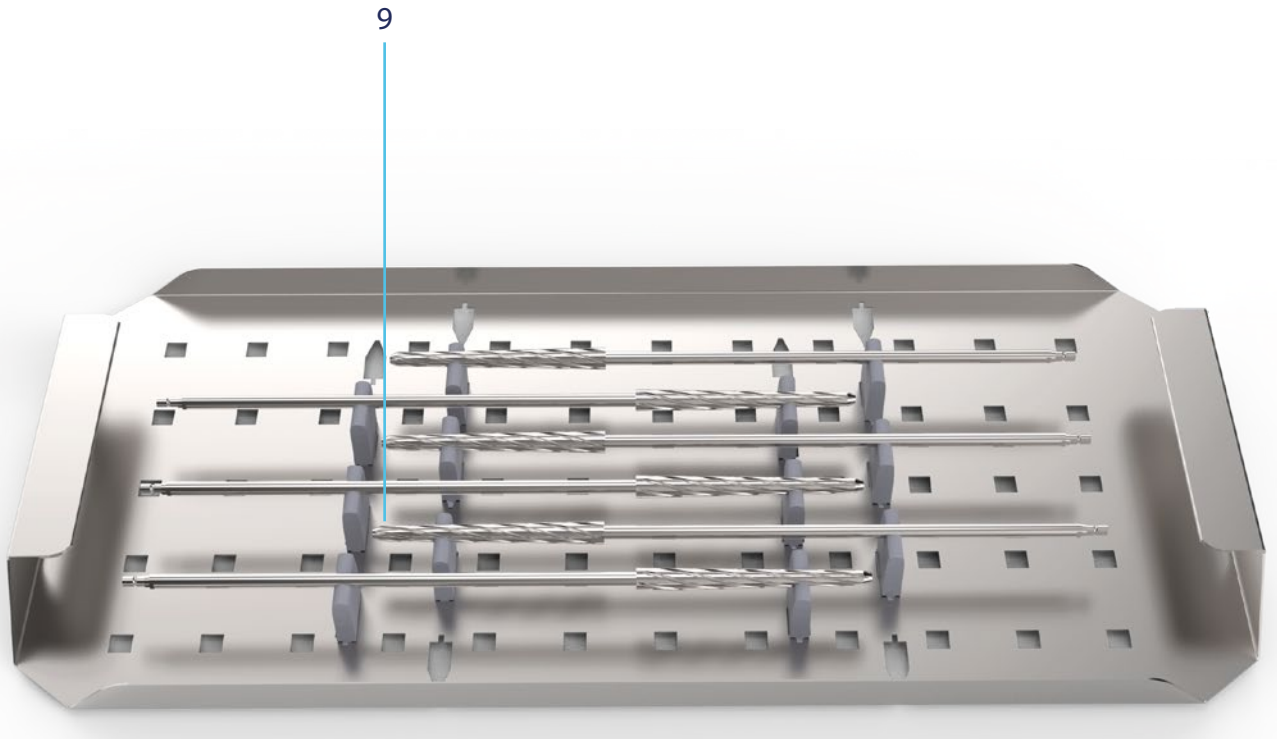
tray 1

No	Code	Barcode	Description	Qty.
	00000504200	8699931023992	1.DESIGN TRAY INSTRUMENT	1
1	01192200024	8698673497450	NT RASP HOLDER	1
2	01192000005	8698673490390	BOX CHISEL	1
3	01193001009	8699931028140	BONE HAMMER - LARGE	1
4	01015000000	8698673494480	ROTATION CONTROLLED STEM IMPACTOR	1
5	01192000030	8698673494268	STEM IMPACTOR	1
6	01192000003	8698673496231	ANTEVERSION ROD	1
7	01193000023	8698673493780	T QUICK HANDLE	1
8	01170000013	8680858425303	PLUG HOLDER FOR SUPRA ART-1 STEM	1



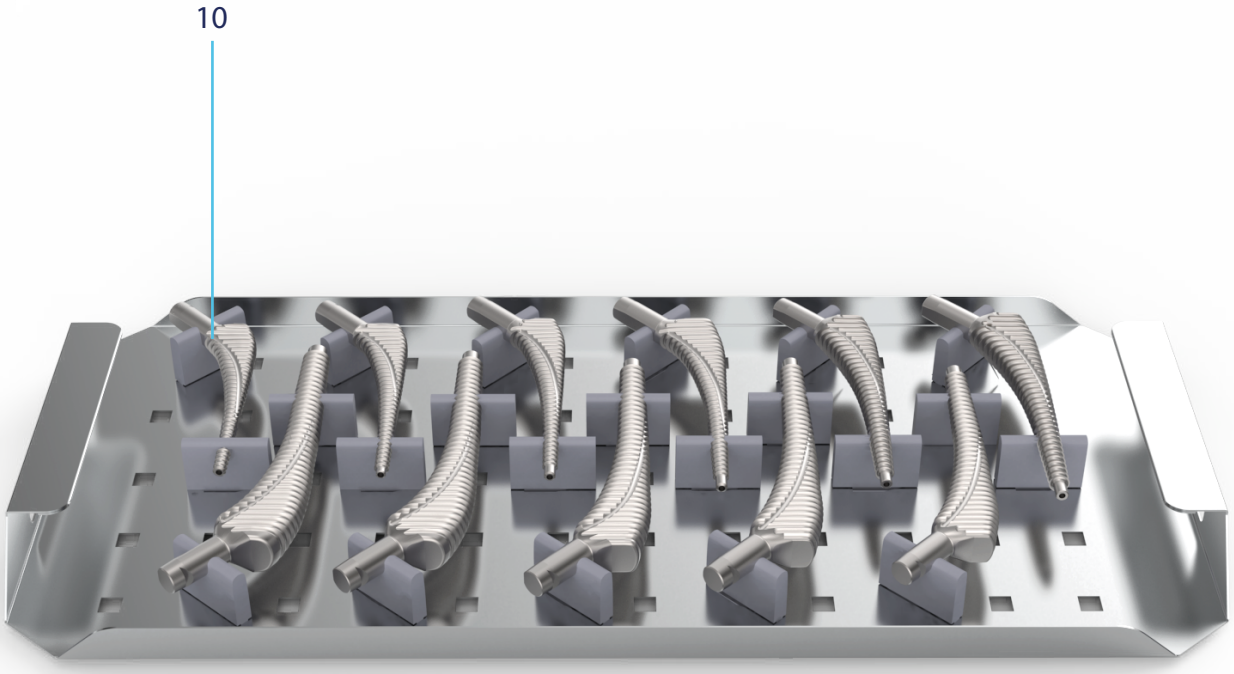
tray 2

	No	Code	Barcode	Description	Qty.
		00000504400	8680858419081	4.DESIGN TRAY FOR SUPRA ART REAMERS	
Cemented	9	01163000607	8680858431397	SUPRA ART-1 CEMENTED 6-7 MM REAMER	1
		01163000809	8680858431403	SUPRA ART-1 CEMENTED 8-9 MM REAMER	1
		01163001011	8680858431410	SUPRA ART-1 CEMENTED 10-11 MM REAMER	1
		01163001213	8680858431427	SUPRA ART-1 CEMENTED 12-13 MM REAMER	1
		01163001415	8680858431434	SUPRA ART-1 CEMENTED 14-15 MM REAMER	1
		01163001600	8680858431441	SUPRA ART-1 CEMENTED 16 MM REAMER	1
Cementless		01173000607	8680858431762	SUPRA ART-1 PC&HA 6-7 MM REAMER	1
		01173000809	8680858431779	SUPRA ART-1 PC&HA 8-9 MM REAMER	1
		01173001011	8680858431786	SUPRA ART-1 PC&HA 10-11 MM REAMER	1
		01173001213	8680858431793	SUPRA ART-1 PC&HA 12-13 MM REAMER	1
		01173001415	8680858431809	SUPRA ART-1 PC&HA 14-15 MM REAMER	1
		01173001600	8680858431816	SUPRA ART-1 PC&HA 16 MM REAMER	1



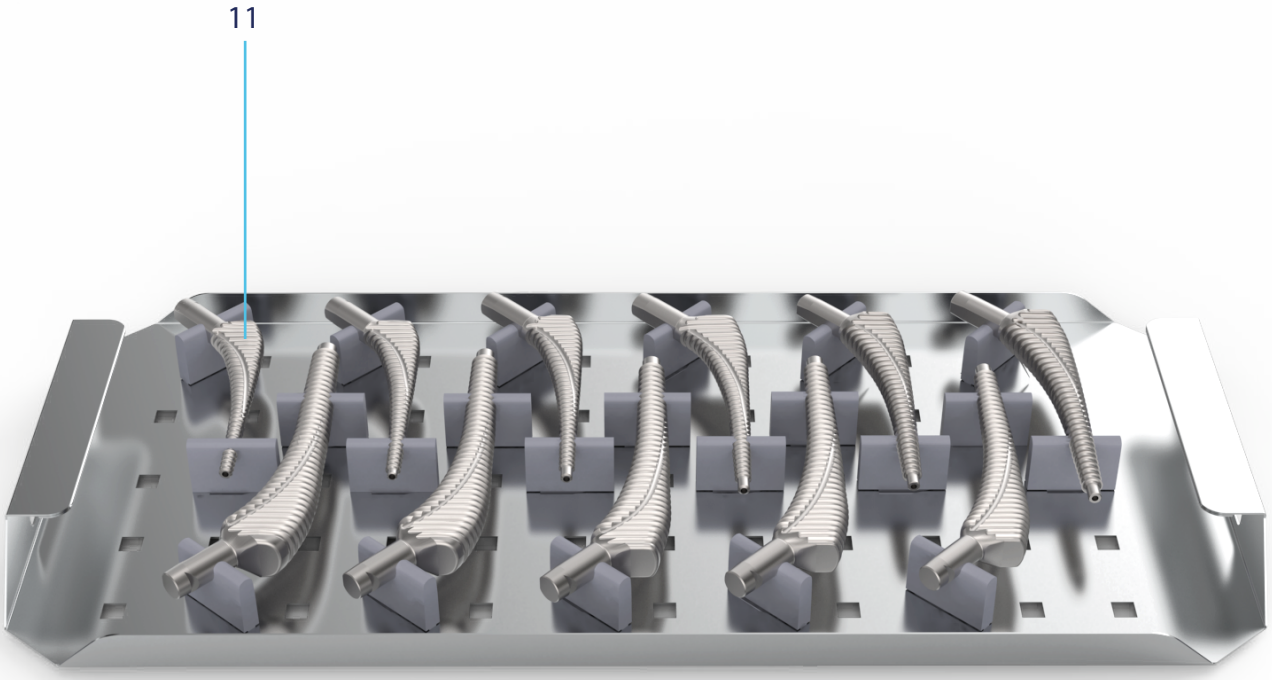
tray 3

No	Code	Barcode	Description	Qty.
	00000502300	8699931023985	TRAY (545X255X40 MM) FOR SUPRA 2-STRAIGHT RASPS	
10	01163700060	8680858431540	RASP FOR SUPRA ART-1 CEMENTED Ø 6 MM	1
	01163700070	8680858431557	RASP FOR SUPRA ART-1 CEMENTED Ø 7 MM	1
	01163700080	8680858431564	RASP FOR SUPRA ART-1 CEMENTED Ø 8 MM	1
	01163700090	8680858431571	RASP FOR SUPRA ART-1 CEMENTED Ø 9 MM	1
	01163700100	8680858431588	RASP FOR SUPRA ART-1 CEMENTED Ø 10 MM	1
	01163700110	8680858431595	RASP FOR SUPRA ART-1 CEMENTED Ø 11 MM	1
	01163700120	8680858431601	RASP FOR SUPRA ART-1 CEMENTED Ø 12 MM	1
	01163700130	8680858431618	RASP FOR SUPRA ART-1 CEMENTED Ø 13 MM	1
	01163700140	8680858431625	RASP FOR SUPRA ART-1 CEMENTED Ø 14 MM	1
	01163700150	8680858431632	RASP FOR SUPRA ART-1 CEMENTED Ø 15 MM	1
	01163700160	8680858431649	RASP FOR SUPRA ART-1 CEMENTED Ø 16 MM	1



tray 4

No	Code	Barcode	Description	Qty.
	00000504300	8699931024005	5. DESIGN TRAY FOR SUPRA ART RASP	
11	01163800060	8680858431656	RASP FOR SUPRA ART-1 PC&HA 6 MM	1
	01163800070	8680858431663	RASP FOR SUPRA ART-1 PC&HA 7 MM	1
	01163800080	8680858431670	RASP FOR SUPRA ART-1 PC&HA 8 MM	1
	01163800090	8680858431687	RASP FOR SUPRA ART-1 PC&HA 9 MM	1
	01163800100	8680858431694	RASP FOR SUPRA ART-1 PC&HA 10 MM	1
	01163800110	8680858431700	RASP FOR SUPRA ART-1 PC&HA 11 MM	1
	01163800120	8680858431717	RASP FOR SUPRA ART-1 PC&HA 12 MM	1
	01163800130	8680858431724	RASP FOR SUPRA ART-1 PC&HA13 MM	1
	01163800140	8680858431731	RASP FOR SUPRA ART-1 PC&HA14 MM	1
	01163800150	8680858431748	RASP FOR SUPRA ART-1 PC&HA 15 MM	1
	01163800160	8680858431755	RASP FOR SUPRA ART-1 PC&HA 16 MM	1



Implants

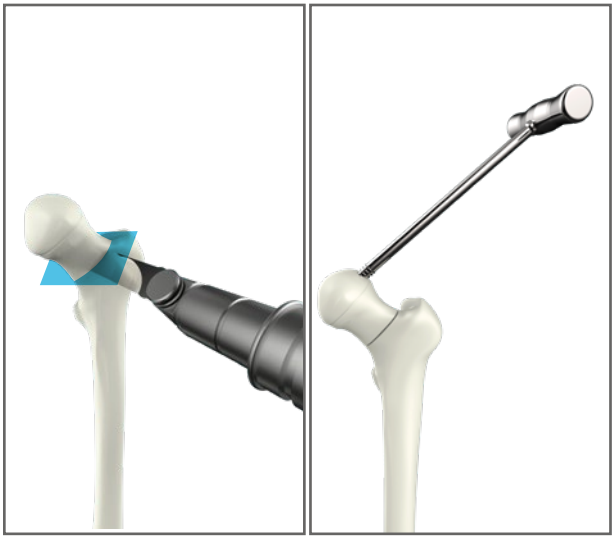
	Code	Barcode	Description
Cemented Stem	11730101206	8680858427932	SUPRA ART-1 STEM SANDBLASTED 6 MM
	11730101207	8680858427949	SUPRA ART-1 STEM SANDBLASTED 7 MM
	11730101208	8680858427956	SUPRA ART-1 STEM SANDBLASTED 8 MM
	11730101209	8680858427963	SUPRA ART-1 STEM SANDBLASTED 9 MM
	11730101210	8680858427970	SUPRA ART-1 STEM SANDBLASTED 10 MM
	11730101211	8680858427987	SUPRA ART-1 STEM SANDBLASTED 11 MM
	11730101212	8680858427994	SUPRA ART-1 STEM SANDBLASTED 12 MM
	11730101213	8680858428007	SUPRA ART-1 STEM SANDBLASTED 13 MM
	11730101214	8680858428014	SUPRA ART-1 STEM SANDBLASTED 14 MM
	11730101215	8680858428021	SUPRA ART-1 STEM SANDBLASTED 15 MM
	11730101216	8680858428038	SUPRA ART-1 STEM SANDBLASTED 16 MM
PC&HA Stem	11730901206	8698673447424	SUPRA ART-1 STEM PC&HA 6 MM
	11730901207	8698673447431	SUPRA ART-1 STEM PC&HA 7 MM
	11730901208	8698673447448	SUPRA ART-1 STEM PC&HA 8 MM
	11730901209	8698673447455	SUPRA ART-1 STEM PC&HA 9 MM
	11730901210	8698673447462	SUPRA ART-1 STEM PC&HA 10 MM
	11730901211	8698673447479	SUPRA ART-1 STEM PC&HA 11 MM
	11730901212	8698673447486	SUPRA ART-1 STEM PC&HA 12 MM
	11730901213	8698673447493	SUPRA ART-1 STEM PC&HA 13 MM
	11730901214	8698673447509	SUPRA ART-1 STEM PC&HA 14 MM
	11730901215	8698673447516	SUPRA ART-1 STEM PC&HA 15 MM
	11730901216	8680858420711	SUPRA ART-1 STEM PC&HA 16 MM
Centraliser	11870000110	8698673432680	CENTRALISER 11 MM
	11870000125	8698673432697	CENTRALISER 12.5 MM
	11870000140	8698673432703	CENTRALISER 14 MM
	11870000155	8698673432710	CENTRALISER 15.5 MM
	11870000170	8698673432727	CENTRALISER 17 MM
Plug X-Ray Ring	11770000015	8698673431515	PLUG X - RAY RING (7.5-11 MM STEMS)
	11770000018	8698673431522	PLUG X - RAY RING (11-13.5 MM STEMS)
	11770000029	8698673431508	PLUG X - RAY RING (13.5-15 MM STEMS)

Surgical Technique

1 FEMORAL HEAD OSTEOTOMY

Osteotomy is made over 1.5-2 cm of trochanter minor to the femoral shaft with the angle of 45°.

Femoral head which is cut before is pulled out from acetabulum by ***Femoral Head Extractor.***



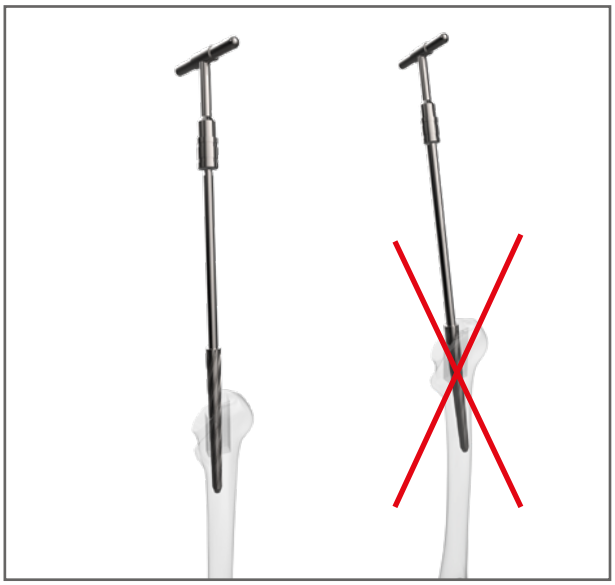
2 FEMORAL HEAD MEASUREMENT

The width of the cut femoral head is determined by ***Femoral Head Measuring Device.***

3 ACCESS TO MEDULLA CANAL

Access to the medullary cavity from osteotomy line is obtained with ***Box Chiesel.***

Note: Please pay attention to femoral head anteversion.



4 CARVING OPERATION FOR FEMORAL STEM

Entry is made from piriformis fossa to medulla by the starting reamer.

It is carved until reaching to the proper canal width by a ***Reamer*** which is assembled to ***T Quick Handle*** from trochanteric tip to femoral shaft.

Note: To make the reamer choice, the smallest size should be tried in the beginning and the size should be increased gradually. The last reamer size demonstrates the stem size.

5 RASPING

Rasping operation (considering anteversion) is started with the smallest ***Rasp*** which is assembled to ***NT Rasp Holder.*** The rasping operation is performed until ending line on proximal area of the rasp. The rasping operation is proceeded until attaining sufficient bone strength by incremental lengths. The recent used rasp determines the ***Body (Stem)*** length.

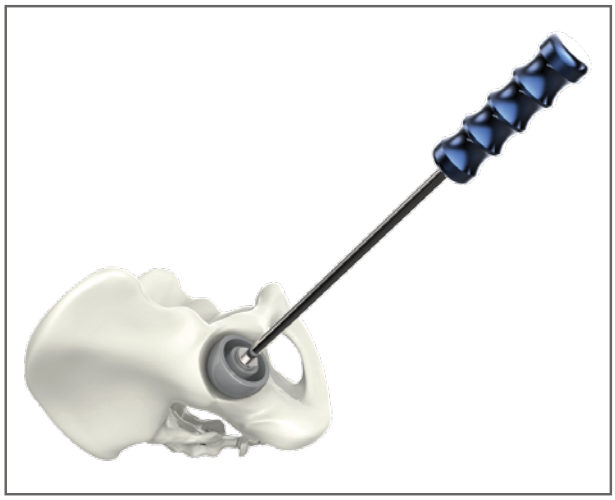
Note: Different rasps are used for Cemented and Cementless applications.

Please refer to pg 14 for application with A. Unipolar Head.
Please refer to pg 17 for application with Bipolar Head.

A. Unipolar Head Application

6 A. UNIPOLAR TRIAL

Width of ***A.Unipolar Trial*** is determined by femoral head measurement (Section 2). Then ***A.Unipolar Trial*** is fixed to ***A.Unipolar Trial Holder*** and the suitability with acetabulum is tested.

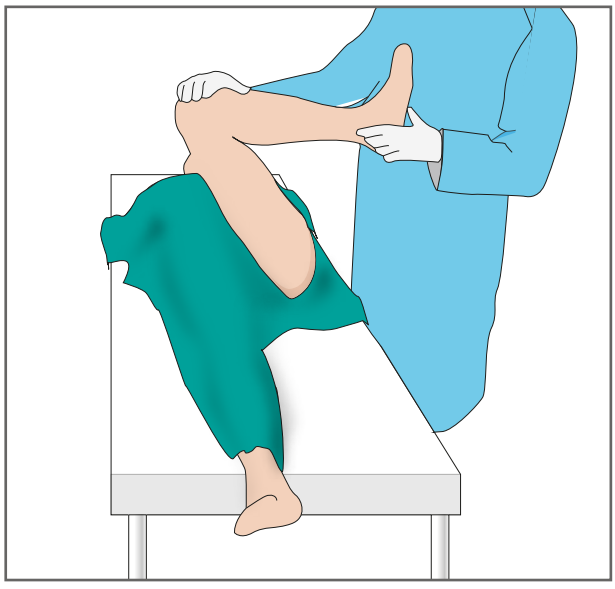


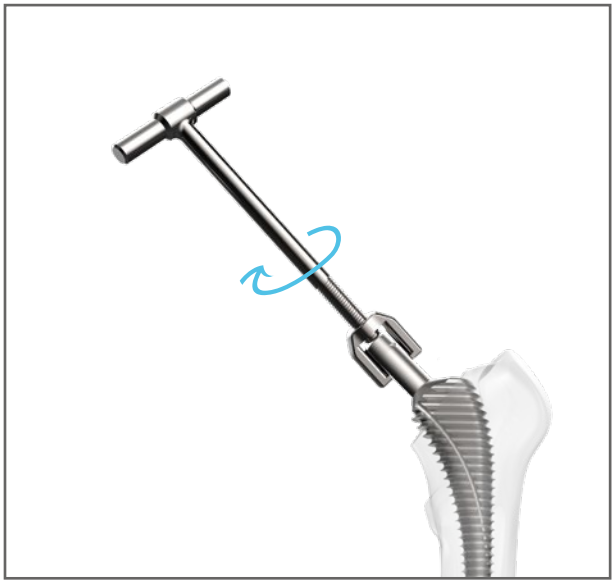
7 RING SIZE DETERMINATION

After designating the size of ***A.Unipolar Trial,*** it is placed onto ***A.Unipolar Ring Trial*** which is held to the rasp in order to determine the suitability of the ring size.

8 MOTION TEST

After the trial insertions, the leg motion is controlled to test the size suitability.





9 REMOVING RING TRIAL From the Rasp

The Ring Trial which is fixed to the ***Rasp*** is extracted by ***Stem Ring Extractor*** as in the figure.

Rotate the instrument until trials are extracted.

From the A.Unipolar Trial

The Ring Trial which is fixed to ***A.Unipolar Trial*** is extracted by ***A.Unipolar Ring Extractor*** as in the figure.

Rotate the instrument until the ring is extracted.

10 PLACEMENT OF THE STEM

Stem is positioned considering anteversion angle by ***Rotation Controlled Stem Impactor*** fixed rotation controlled ***Anteversion Rod.***

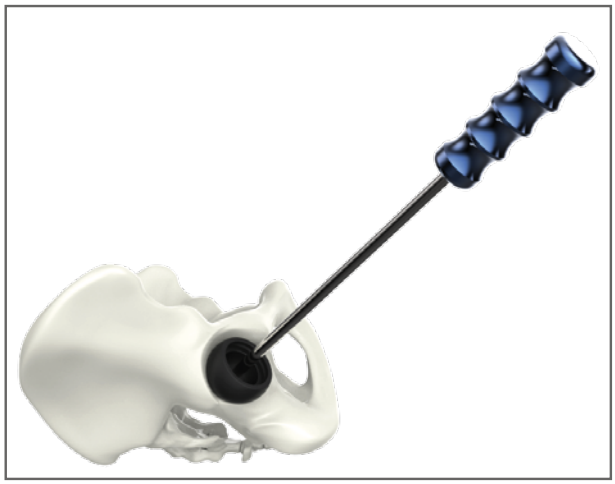
11 HAMMERING STEM

In cementless applications, the ***Stem Impactor*** ensures an exact placement of the stem.

12 A. UNIPOLAR HEAD FIXING

A.Unipolar Head which is placed onto ***A.Unipolar Ring*** is fixed by hammering the ***Femoral Head Impactor.***

Bipolar Head Application

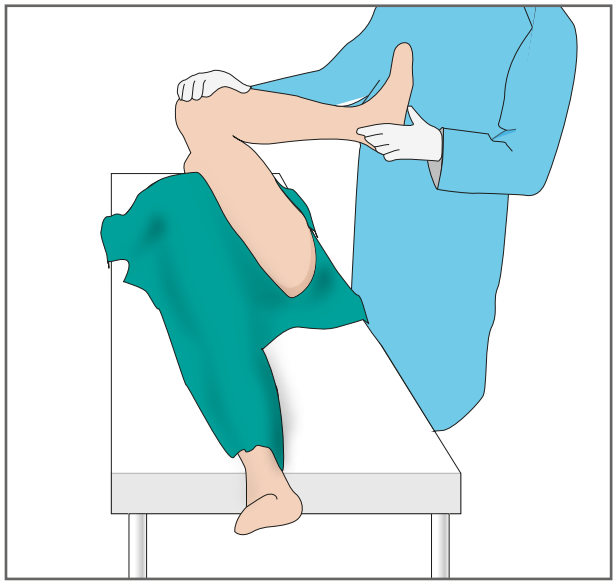


6 BIPOLAR TRIAL

The width of ***Bipolar Trial Head*** is determined (Section 2). It is fixed to ***Bipolar Trial Head Holder*** and the suitability with acetabulum is tested.

7 MODULAR HEAD SIZE DETERMINATION

After designating the size of ***Bipolar Trial Head,*** it is placed onto ***Modular Trial Head*** which is held to the rasp in order to determine the suitability of the ring size.



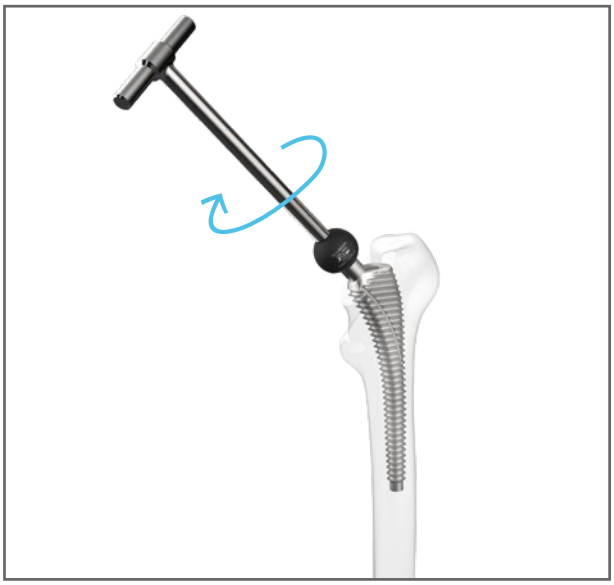
8 MOTION TEST

After the trial insertions, the leg motion is controlled to test the size suitability.

9 MODULAR TRIAL HEAD EXTREACTION

Modular Trial Head which is fixed to rasp is extracted by ***Modular Head Extractor*** as in the figure.

Rotate the instrument until the trials are extracted.



10 PLACEMENT OF THE STEM

Stem is positioned considering anteversion angle by ***Rotation Controlled Stem Impactor*** fixed rotation controlled ***Anteversion Rod.***

11 HAMMERING STEM

In cementless applications, the ***Stem Impactor*** ensures an exact placement of the stem.

12 MODULAR HEAD FIXING

Size of the ***Modular Head*** is determined with the help of trials. It is hammered by ***Modular Head Impactor.***

13 BIPOLAR HEAD PLACEMENT

The ***Segman*** is extracted from ***Bipolar Head*** by ***Bipolar Insert Ring Forceps*** then ***Bipolar Head*** placed into ***Modular Head*** and pushed until 'click' sound is heard. The extracted ***Segman*** is placed again.