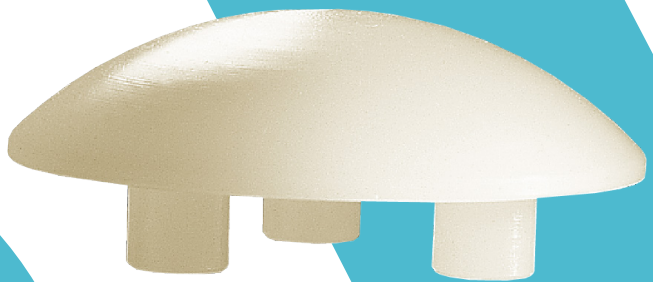
amplitude



Surgical Technique

Resurfacing Patellar Implant NM
Conventional Instrumentation

Table of contents

Overview of the instrumentation 4

Overview of the implant 5

Pre-operative planning 6

Patellar preparation 7

Instrumentation 10

Overview of the instrumentation

- This surgical technique describes the use of the conventional instrumentation for TRAX CR Total Knee Arthroplasties (TKA).

- The steps below replace the section on patellar preparation in the TRAX CR surgical technique TO.G.041.

- This surgical technique describes the instrumentation associated with Resurfacing Patellar Implant NM AXPE cemented (References: 1-02108XX).
  It is not compatible with other AMPLITUDE Resurfacing Patellar Implant (1-02008XX).

Overview of the implant

Resurfacing patellar implant NM:

Constant distance between pegs for all sizes.

4 sizes: Ø 30, 33, 36 and 39 mm.

All sizes of the cemented resurfacing patellar implant NM AXPE are compatible with all sizes of the TRAX CR femoral components.

Pre-operative planning

- X-Rays are used to evaluate the following:

  - wear of the patellofemoral joint,
  - thickness, width, global shape, tilt and height of the patella.

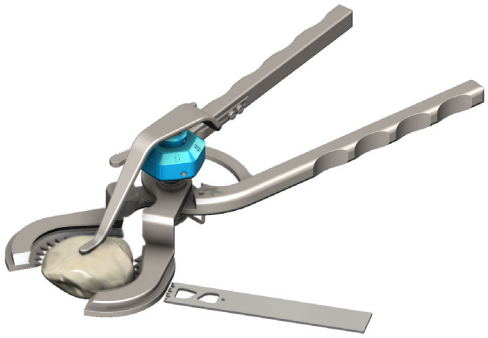
- It is possible to determine the following:

  - thickness and orientation of the patellar resection,
  - The mediolateral position of the patellar implant.

REMINDER

This surgical technique describes how to use the instrumentation properly. The surgeon is fully responsible for choosing the surgical approach and technique.

Patellar preparation



NOTE

The thickness of the patella implant is 8mm for all the diameters and it is advisable to leave a remnant of 12mm of residual bone.

Patellar preparation:

- Choose the size of the patella in order to have an optimal coverage using Patella Ring on the cut or on the Patellar Drill/Impaction Clamp (diameters 33, 36 or 39mm and without ring for the diameter 30mm). This is done by aligning the arrow on the ring with the arrow on the clamp and turning a quarter-turn in the direction of the marking to lock it.
- Position the Patellar Drill/Impaction Clamp on the cut observing the LAT indication on the lateral side.
- Center the drilling nozzle on the cut.
- Tighten the clamp.
- Drill the three pegs with the Drill Bit NM Resurfacing Patella until it stops.

OPTION

It is also possible to choose the size of the patella and drill the three pegs using the NM Drilling Guide Ø30 and the Patella Ring.

Patellar preparation:

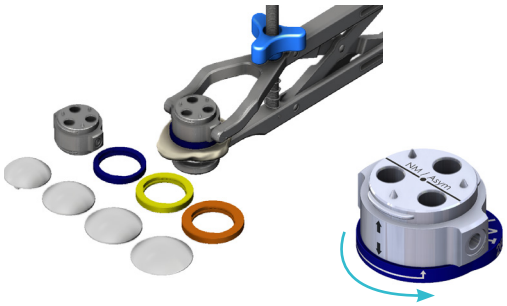
- Clear osteophytes.

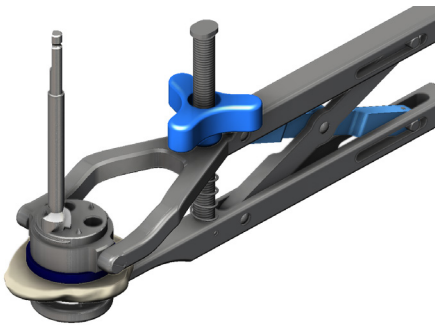
Position the patellar resection guide:

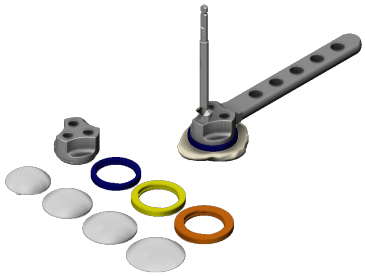
- Adjust the height of the cut (from 6 to 11mm).
- With the Patellar Resection Guide in the open position, bring the Stylus over the articular surface.

NOTE: The handles of the guide are oriented toward the foot.

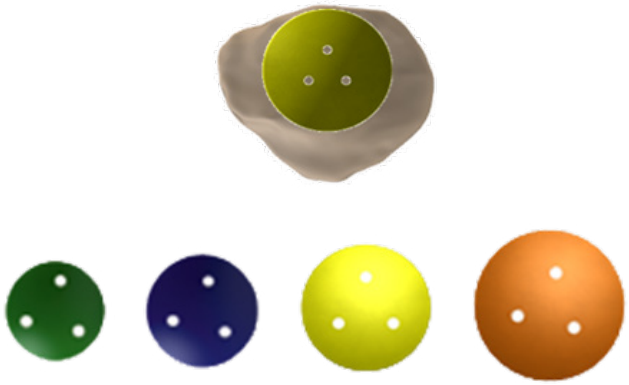
- Adjust the orientation of the cut plane.
- Tighten and lock the clamp.
- Perform the resection.







Patellar preparation



Trials:

- Position the NM trial resurfacing patella - Plastic (or - metal) of the selected size using the Clamp for trial patella or locking ring.
- Test the tracking in the trochlear groove.

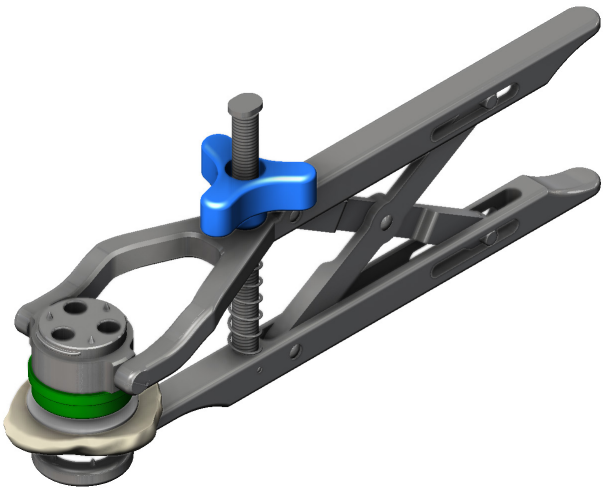
NOTE

The distance between pegs is constant for all diameters, it is possible to change the size of the trial patellar.

- If the patella is prepared before the femoral and tibial cuts, it is possible to protect the cut using the Patellar Cover.

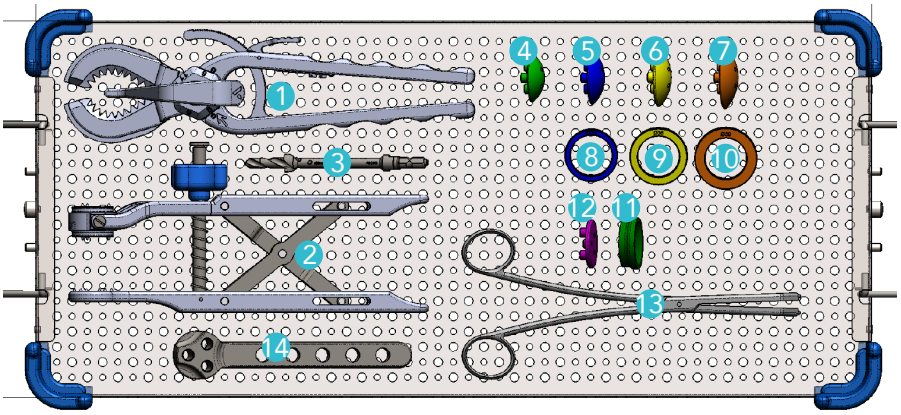
Patella implantation:

- Clean and dry the bone surface.
- Apply cement onto the implant.
- Position the implant on the cut.
- Position the Impaction Connector NM Resurfacing Patella on the Patellar Drill/ Impaction Clamp aligning the arrow on the connector with the arrow on the clamp and turning a quarter-turn in the direction of the marking to lock it.
- Tighten the implant using the Patellar Drill/ Impaction Clamp.
- Remove the excess of cement.
- Keep the clamp until the cement is dry.



Instrumentation

Resurfacing Patella Set - NM 2-02999159



Item	Name	Product No.	Qty
1	Patellar Resection Clamp	2-0258100	1
2	Patellar Drill/Impaction Clamp	2-0258200	1
3	Drill bit NM/Asymmetric Resurfacing Patella	2-0258300	1
4	NM Trial Resurfacing Patella Ø30 - Plastic	2-0235230	1
5	NM Trial Resurfacing Patella Ø33 - Plastic	2-0235233	1
6	NM Trial Resurfacing Patella Ø36 - Plastic	2-0235236	1
7	NM Trial Resurfacing Patella Ø39 - Plastic	2-0235239	1
8	Patella ring Ø33	2-0248033	1
9	Patella ring Ø36	2-0248036	1
10	Patella ring Ø39	2-0248039	1
11	Impaction Connector NM Resurfacing Patella	2-0258600	1
12	Patellar cover	2-0242400	1
13	Clamp for trial patella or locking ring	2-0104600	1
14 (OPTIONAL)	NM/Asymmetric Drilling Guide	2-0258500	1
3' (SUBSTITUTE)	HALL Drill bit NM/Asymmetric Resurfacing Patella	2-0258400	1
4' (SUBSTITUTE)	NM Trial Resurfacing Patella Ø30 - Metal	2-0247530	1
5' (SUBSTITUTE)	NM Trial Resurfacing Patella Ø33 - Metal	2-0247533	1
6' (SUBSTITUTE)	NM Trial Resurfacing Patella Ø36 - Metal	2-0247536	1
7' (SUBSTITUTE)	NM Trial Resurfacing Patella Ø39 - Metal	2-0247539	1

amplitude Make your move

Customer Service – France:

Porte du Grand Lyon,
01700 Neyron – France
Phone: +**33 (0)4 37 85 19 19**
Fax: +33 (0)4 37 85 19 18
E-mail: amplitude@amplitude-ortho.com

Customer Service – Export:

11, cours Jacques Offenbach,
ZA Mozart 2,
26000 Valence – France
Phone: +**33 (0)4 75 41 87 41**
Fax: +33 (0)4 75 41 87 42

www.**amplitude-ortho**.com

https://eifu.amplitude-ortho.com

Reference: TO.G.059/EN/B