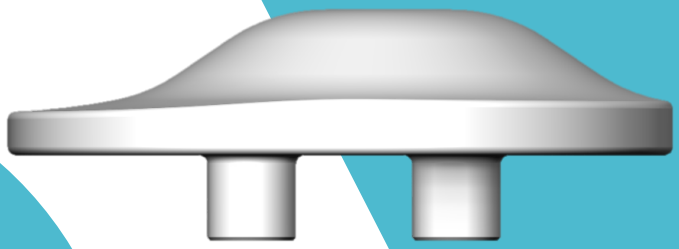
amplitude



Surgical Technique

Asymmetric Congruent Resurfacing Patellar Implant
Conventional Instrumentation

Table of contents

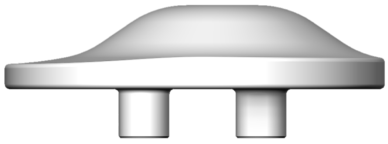
Overview of the instrumentation

- This surgical technique describes the use of the conventional instrumentation for asymmetric Congruent Resurfacing patellar implant used with anatomic Total Knee Arthroplasties (TKA).

- The steps below replace the section on patellar preparation in the surgical techniques of the anatomic TKA : TO.G.001, TO.G.002 and TO.G.051.

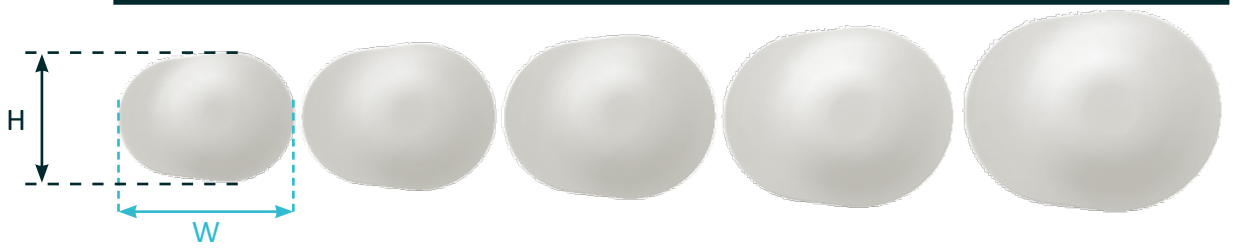
Overview of the implant

Asymmetric Congruent Resurfacing patellar implant:



Constant distance between pegs for all sizes.

5 sizes:	26x33	29x36	32x39	35x42	38x45
H: Medial diameter (mm)	Ø26	Ø29	Ø32	Ø35	Ø38



W: ML Width (mm)	33	36	39	42	45

E: Total thickness (mm)	8	7	9	9	9

anatomic Femoral Component

Asymmetric Congruent Resurfacing patellar implant	0	1	2	3	4	5	6	7	8
26x33	✓	✓	✓	✓	✓	✓			
29x36	✓	✓	✓	✓	✓	✓	✓	✓	
32x39	✓	✓	✓	✓	✓	✓	✓	✓	✓
35x42		✓	✓	✓	✓	✓	✓	✓	✓
38x45				✓	✓	✓	✓	✓	✓

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.

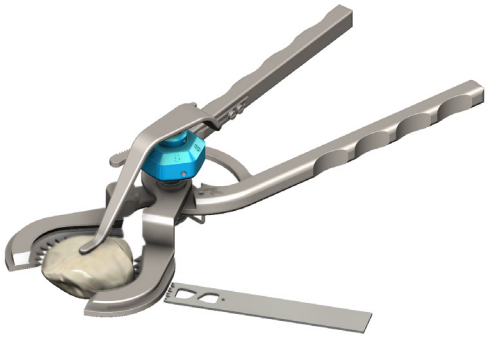
- It is possible to determine the following:

  - 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:

- 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.

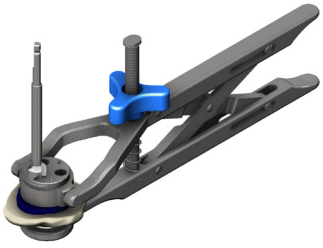
NOTE: The handles of the guide are oriented toward the foot.

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

Patellar preparation:

- Choose the size of the patella in order to have an optimal coverage using the Asymmetric Patella Sizing Template or Asymmetric Resurfacing Patella Ring on the Patellar Drill/ Impaction Clamp (See size table on page 5). 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.

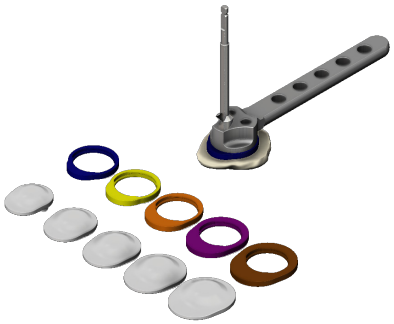
- Position the Patellar Drill/Impaction Clamp on the cut observing the LAT indication on the lateral side.
- Center the drilling nozzle on the cut.
- Tighten the clamp.
- Drill the three pegs with the Drill bit NM/ Asymmetric Resurfacing Patella until it stops.

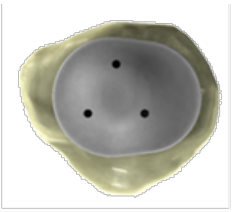


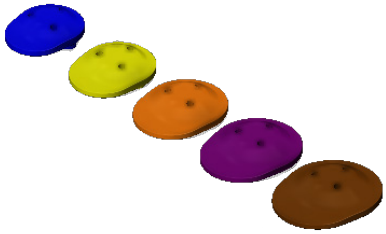
Patellar preparation

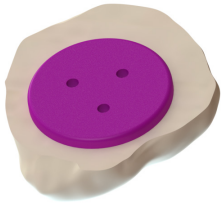
OPTION

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









Trials:

- Position the Asymmetric Trial Resurfacing Patella - PLASTIC (or - METAL) using the Clamp for trial patella or locking ring.
- Test the tracking in the trochlear groove.

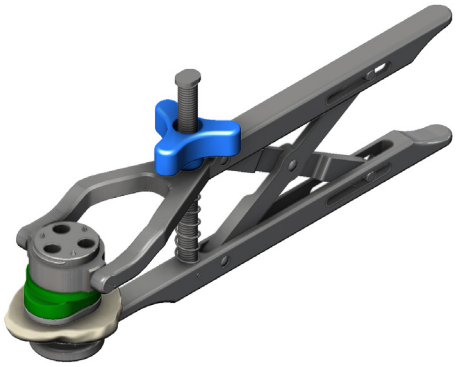
NOTE

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's possible to protect the cut using the Patellar Cover.

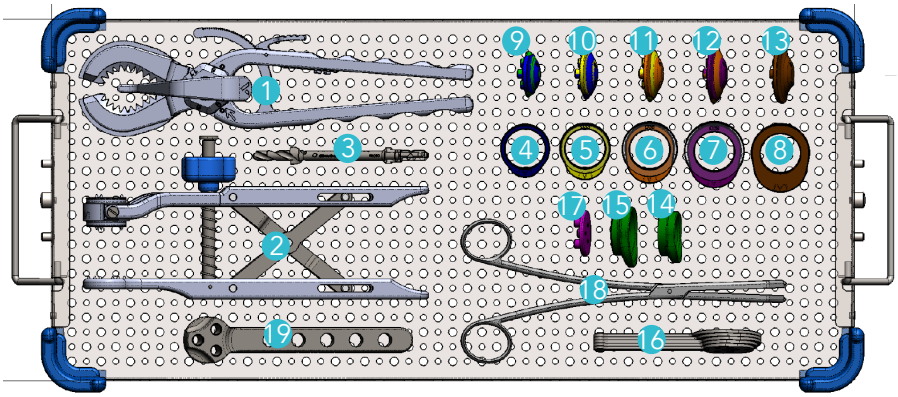
Patella implantation:

- Clean and dry the bone surface.
- Apply cement onto the implant.
- Position the implant on the cut.
- Position the Impaction Connector Asymmetric Congruent Resurfacing Patella - Small (for the sizes 26x33 and 29x36) or Large (for the sizes 32x39, 35x42 and 38x45) 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

Asymmetric Resurfacing Patella Set 2-02999160



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	Asymmetric Trial Resurfacing Patella 26×33mm - Plastic	2-0247033	1
5	Asymmetric Trial Resurfacing Patella 29×36mm - Plastic	2-0247036	1
6	Asymmetric Trial Resurfacing Patella 32×39mm - Plastic	2-0247039	1
7	Asymmetric Trial Resurfacing Patella 35×42mm - Plastic	2-0247042	1
8	Asymmetric Trial Resurfacing Patella 38×45mm - Plastic	2-0247045	1
9	Asymmetric Resurfacing Patella Ring 26×33	2-0245126	1
10	Asymmetric Resurfacing Patella Ring 29×36	2-0245129	1
11	Asymmetric Resurfacing Patella Ring 32×39	2-0245132	1
12	Asymmetric Resurfacing Patella Ring 35×42	2-0245135	1
13	Asymmetric Resurfacing Patella Ring 38×45	2-0245138	1
14	Impaction Connector Asymmetric Congruent Resurfacing Patella - Small	2-0258700	1
15	Impaction Connector Asymmetric Congruent Resurfacing Patella - Large	2-0258800	1
16	Asymmetric Patella Sizing Template	2-0258900	1
17	Patellar cover	2-0242400	1
18	Clamp for trial patella or locking ring	2-0104600	1
19 (OPTIONAL)	NM/Asymmetric Drilling Guide	2-0258500	1
3' (SUBSTITUTE)	HALL Drill bit NM/Asymmetric Resurfacing Patella	2-0258400	1
4' (SUBSTITUTE)	Asymmetric Trial Resurfacing Patella 26×33mm - Metal	2-0247633	1
5' (SUBSTITUTE)	Asymmetric Trial Resurfacing Patella 29×36mm - Metal	2-0247636	1
6' (SUBSTITUTE)	Asymmetric Trial Resurfacing Patella 32×39mm - Metal	2-0247639	1
7' (SUBSTITUTE)	Asymmetric Trial Resurfacing Patella 35×42mm - Metal	2-0247642	1
8' (SUBSTITUTE)	Asymmetric Trial Resurfacing Patella 38×45mm - Metal	2-0247645	1

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Reference: TO.G.058/EN/A