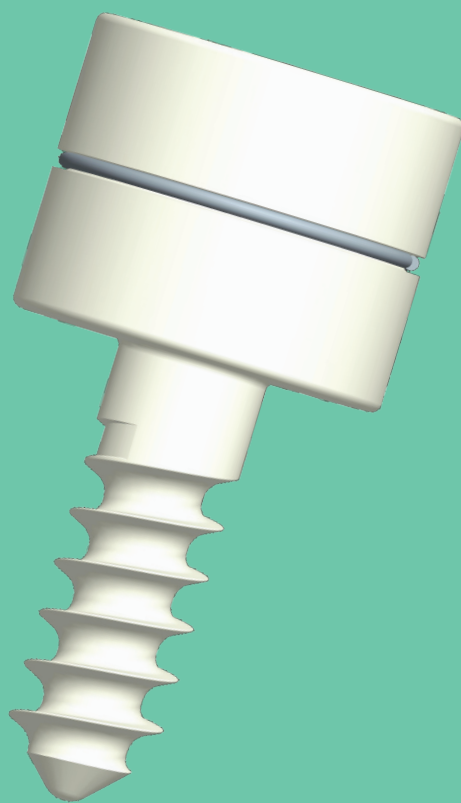


Radius Head Prosthesis



The following surgical description contains general outlines for radius head prosthesis implantation. However, the operating surgeon shall adapt the content to the patient, fracture type and all other relevant factors that may have influence on the outcome of the surgery.

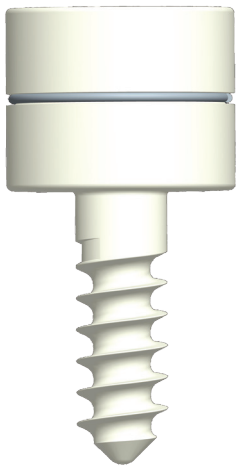
Therefore, Sanatmetal Ltd. strongly recommends participation on workshops and trainings prior to the initial operation.

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The Radius head prosthesis is capable of handling cases when the radius head cannot be saved due to various reasons. The surgical technique is easy and secure both for the patient and the surgeon with excellent results.

1.1 | The implant

- Monoblock head and stem for additional stability
- Ultra High Molecular Weight Polyethylene raw material for excellent wear resistance
- 6,5 mm cancellous thread for proper fixation
- Stainless steel ring for x-ray visibility
- 2 mm locking screw tp prevent loosening



1.2 | The instruments

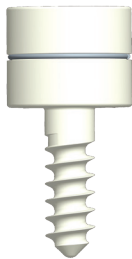
- Easy-to-use instruments
- Simple surgical technique

1.3 | Indications

- Non-reconstructable radius head fractures
- Pseudoarthros of radius neck

2.1 | Radius head prosthesis

Raw material
UHMWPE



Size	Full length	Head length	Head dia	Stem dia
A	35 mm	14 mm	14 mm	8 mm
B	35 mm	14 mm	16 mm	8 mm
C	40 mm	16 mm	18 mm	8 mm
D	40 mm	16 mm	20 mm	8 mm

2.2 | Cortical screw Ø2,0 mm

Length (mm)
6 - 40
Raw material
stainless steel



3 | Surgical description

Radius head prosthesis

3.1 | Patient positioning

In supine position with tourniquet on the arm.

3.2 | Incision

Lateral incision between the extensor carpi radialis brevis and the extensor digitorum muscles.

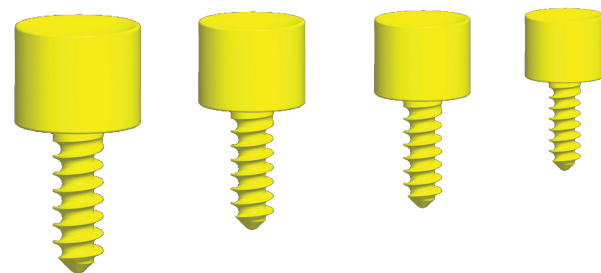
3.3 | Resection

Use oscillating sawblade to resect the radius head. Resection level is at the tuberosity.



3.4 | Prosthesis selection

Evaluate the size of the removed radius head and select the prosthesis of the same size.



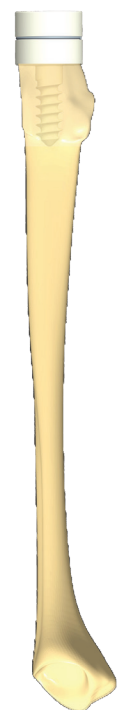
3.5 | Tap drilling

Perform tap drilling in the longitudinal axis of the radius bone with the 6,5 mm tap drill.



3.6 | Insertion of the prosthesis

Drive the prosthesis into the hole until it rests firmly on the flat resection surface.



3 | Surgical description

Radius head prosthesis

3.7 | Securing the prosthesis

Secure the prosthesis against unwanted loosening with a 2 mm cortical screw.

Drill a hole with a 1,5 mm drillbit in such a way that it touches the threaded part of the prosthesis. Drive the 2 mm screw in.

Close the wound.

4 | Implant list

4.1 | Radius head prosthesis



Size Méret	Polyethylene Polietilén
A	441000014
B	441000016
C	441000018
D	441000020

4.2 | Cortical bone screw Ø2,0 mm

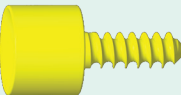


Size Méret	Steel Acél
6 mm	930220006
8 mm	930220008
10 mm	930220010
12 mm	930220012
14 mm	930220014
16 mm	930220016
18 mm	930220018
20 mm	930220020
22 mm	930220022
24 mm	930220024
26 mm	930220026
28 mm	930220028
30 mm	930220030
32 mm	930220032
34 mm	930220034
36 mm	930220036
38 mm	930220038
40 mm	930220040

Instruments Radius head prosthesis

Surgical instruments - Műtéti eszközök			
Description Megnevezés	Size Méret	Quantity Mennyiség	Cat. no. Kat. szám
Length gauge Hosszjelző	1,5-2 mm	1	233920008
Trial radius head Próba radiusfej	A	1	441090014
Trial radius head Próba radiusfej	B	1	441090016
Trial radius head Próba radiusfej	C	1	441090018
Trial radius head Próba radiusfej	D	1	441090020
Spiral drill Csigafúró	1,5x70 mm	1	939415070
Tap drill Menetfúró	6,5 mm	1	939902009
Screwdriver Csavarhúzó	1,5 mm		939905015

Instruments Radius head prosthesis

Length gauge (1,5-2 mm) Hosszjelző (1,5-2 mm)	 233920008
Trial radius head (A, B, C, D) Próba radiusfej (A, B, C, D)	 441090014 - 441090020
Spiral drill (1,5x70 mm) Csigafúró (1,5x70 mm)	 939415070
Tap drill (6,5 mm) Menetfúró (6,5 mm)	 939902009
Screwdriver (1,5 mm) Csavarhúzó (1,5 mm)	 939905015

Product family

■ ORTHOPAEDICS

- 1.1. Joint replacement implants
 - 1.1.1. Hip prosthesis
 - 1.1.2. Knee prosthesis
 - 1.1.3. Shoulder prosthesis
 - 1.1.4. Radius head prosthesis
 - 1.1.5. Small joints prosthesis
- 1.2. Other
 - 1.2.1. Foot surgery
 - 1.2.2. Cable system

■ TRAUMATOLOGY

■ DENTAL

■ SPINE

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