2.3 Galinuje kiekis

Design features

2.3 Reguliuojamas galvos ilgis

The completely new concept of the ICARA® Radial Head System allows the intraoperative adjustment of the joint tension. With the modular head component, consisting of three parts, the neck length can be adjusted continuously to reconstuct the function and joint stability. The range of this adjustment is 4mm. The head component is available in two diameters of 19mm and 22mm. The heads are connected to the stems by a PE snap mechanism. The center of rotation of the double inverse prothesis is located at the level of the Radial Tuberosity. The prosthesis is self centralising and the potential of a malpositioning is minimised. The head component can swing from -20° to +20°.

The system includes three different types of stems with different collar sizes to adapt the system to the different size of bone defect or loss. The type S collar is 2mm thick, type 1 collar is 3.5mm thick and the type 2 collar has a thickness of 7.5mm. The minimal resection for Type S is only 17.5mm. The stems are available in cementless and cemented version each in length 35mm and 50mm and in diameters of 6 and 8mm.
All parts of the head components and the cementless stems are made of implatan® titanium alloy. The cemented stems are made of implavit® CoCrMo alloy. The articulating surface of the radial heads are coated with a ceramic TiN coating to minimize wear.

1.3 Stabo ne apylinkės veiksnio

	Type S	Type 1	Type 2
	2mm	3.5mm	7.5mm
collar thickness	2mm	3,5mm	7,5mm
min. resection	17,5mm	20mm	24mm
max. reconstruction	21,5mm	24mm	28mm

Pre-operative planning

Pre-operative planning and precise surgical techniques are mandatory for optimal results. The instructions and the procedure given in the surgical technique to the system must be adhered to. Familiarity with the recommended surgical technique and its careful application is essential to achieve the best possible outcome.
Before surgery a surgical planning with regard to the dimensions of the prosthetic model and the positioning of the implant components in the bone has to be carried out by the surgeon.

Important information:
Prior to surgery the following should be ensured:

- all needed components are available during surgery. An adequate number of various implant components should be available for surgery. It should be determined whether the implantation should be done with or without the use of bone cement.
- all instruments for the implantation are present and are matching the correspondent implants. The implants may only be used with the instruments of the implantcast GmbH. The only exception being standardized instruments used during surgery.

For this purpose, x-ray templates are available:
Digital templates: Digital templates are included in the data base of the common planning systems. For missing templates, please contact the provider of the planning software and request for these templates.

Radiographic templates: Alternatively radiographic templates are available in various scale factors, which can be obtained on demand from your local representative.

Note: For further information regarding preoperative planning as well as indication, contraindication and risk factors please see the instruction for use fur "radial head system" (09300084E) and this surgical technique on page 12.

2.1 Galvos medžiaga ir danga

Implants

ICARA® radial head component

Mat.: implatan®; $TiAl_6V_4$ acc. to ISO 5832-3 with TiN-coating

0070-0019	Ø 19mm
0070-0022	Ø 22mm

2.2. Galvos diametras

ICARA® stem cementless

Mat.: implatan®; $TiAl_6V_4$ acc. to ISO 5832-3 and UHMW-PE acc. to ISO 5834-2

1.2 Mechaninio tvirtinimo stiebas ir jo medžiaga

0070-2026	Type S Ø 6x35mm
0070-2028	Type S Ø 8x35mm
0070-2126	Type S Ø 6x50mm
0070-2128	Type S Ø 8x50mm
0070-2006	Type 1 Ø 6x35mm
0070-2008	Type 1 Ø 8x35mm
0070-2106	Type 1 Ø 6x50mm
0070-2108	Type 1 Ø 8x50mm
0070-2016	Type 2 Ø 6x35mm
0070-2018	Type 2 Ø 8x35mm
0070-2116	Type 2 Ø 6x50mm
0070-2118	Type 2 Ø 8x50mm

1.3 Stiebų ilgiai ir storiai

ICARA® stem cemented

Mat.: implavit®; CoCrMo acc. to ISO 5832-4 and UHMW-PE acc. to ISO 5834-2

1.2 Cementinio tvirtinimo stiebas ir jo medžiaga

0070-1026	Type S Ø 6x35mm
0070-1028	Type S Ø 8x35mm
0070-1126	Type S Ø 6x50mm
0070-1128	Type S Ø 8x50mm
0070-1006	Type 1 Ø 6x35mm
0070-1008	Type 1 Ø 8x35mm
0070-1106	Type 1 Ø 6x50mm
0070-1108	Type 1 Ø 8x50mm
0070-1016	Type 2 Ø 6x35mm
0070-1018	Type 2 Ø 8x35mm
0070-1116	Type 2 Ø 6x50mm
0070-1118	Type 2 Ø 8x50mm

1.3 Stiebų ilgiai ir storiai