

# MÜLLER II CUP



Biodynamics medical technology is the centre of excellence in the area of endoprosthetics and is specialised in joint implants and instruments.



#### CUSTOMER ORIENTATION AS A MATTER OF PRINCIPLE

We stand for medical devices based on the latest medical and technical developments. Extensive investments in high-tech facilities in the past years have enabled us to work with innovative procedures today. High-quality materials guarantee the quality our customers expect from us.

We have also applied our comprehensive knowledge in the field of endoprosthetics to develop our own OEM product range: Customer-oriented implant systems and instruments for a dependable supply of standard products.

Many of our customers complement their range of products with these systems. They rely on market-ready products which ensure an optimal combination of state-of-the-art medical standards with cost-effectiveness and flexibility. Over many decades of use, the implants have been shown to be safe.

All components are supplied in sterile packaging and labelled - in your individual packaging design, if desired. Combined with the surgical instruments, which are synchronised exactly with the implants, we provide a complete package.

For more than 75 years, quality, cost-effectiveness and reliability have formed the cornerstone of our continued success.

## MÜLLER II CUP

Müller II Cup for a cemented surgical treatment of the acetabulum.



### PRODUCT DESCRIPTION

The Müller II polyethylene cup supports the cemented surgical treatment of the acetabulum. With its wide range of internal and external diameters, the Müller II Cup covers a very broad scope of indications.

To ensure an optimal fit of the cup in the damaged acetabulum, the Müller II Cup is available with an outer diameter in two millimetre increments. All sizes feature the minimum wall thickness of six millimetres required by the norm.

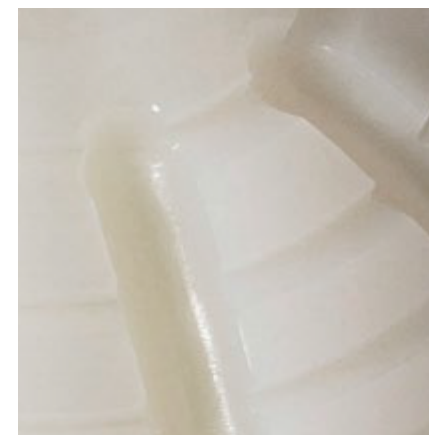
The special hemispherical outside contour of this cup permits an optimal cement flow between acetabulum and cup with minimal bone loss.

To ensure radiographic visibility, all implants are equipped with a surgical steel ring (ISO 5832-1). The dysplasia versions have an added notch and X-ray pin at their uppermost point.

To prevent luxation of the hip, the internal contour of the snap-fit Müller II Cup has been designed so that the connection with the Femoral Head can only be released with considerable force.

## MÜLLER II CUP

UHMWPE, ISO 5834-2



### MATERIAL PROPERTIES

The Müller II Cup is made of UHMWPE in accordance with ISO 5834-2 – a polymer plastic specially developed for use in medical technology.

The standard PE, also known as Ultra High Molecular Weight Polyethylene, has very good sliding properties and low friction and is therefore particularly suitable as a sliding partner for femoral heads made of ceramic, cobalt chrome or implant steel.

The excellent mechanical properties of the material are characterised by a very high resilience to wear and friction and a low absorption of moisture.

In addition, UHMWPE is considered to be a biocompatible material which is absorbed well by the tissue. The Müller II Cup is packaged under protective gas to prevent the formation of free radicals during gamma sterilisation.

UHMWPE, ISO 5834-2

Müller II Cup

WE RECOMMEND

a complete system: Müller IICup  
with a CoCrMo femoral head  
and the Müller Straight Stem



Müller II PE Cup Standard

Size (ø) in mm	Head (ø) in mm	Art. no.
36	22	1300-22-36
38	22	1300-22-38
40	22	1300-22-40
42	22	1300-22-42
44	22	1300-22-44
42	28	1300-28-42
44	28	1300-28-44
46	28	1300-28-46
48	28	1300-28-48
50	28	1300-28-50
52	28	1300-28-52
54	28	1300-28-54
56	28	1300-28-56
58	28	1300-28-58
60	28	1300-28-60
62	28	1300-28-62
64	28	1300-28-64
66	28	1300-28-66
68	28	1300-28-68
70	28	1300-28-70
44	32	1300-32-44
46	32	1300-32-46
48	32	1300-32-48
50	32	1300-32-50
52	32	1300-32-52
54	32	1300-32-54
56	32	1300-32-56
58	32	1300-32-58
60	32	1300-32-60
62	32	1300-32-62
64	32	1300-32-64
66	32	1300-32-66
68	32	1300-32-68
70	32	1300-32-70



Müller II PE Cup lat profile

Size (ø) in mm	Head (ø) in mm	Art. no.
36	22	1301-22-36
38	22	1301-22-38
40	22	1301-22-40
42	22	1301-22-42
44	22	1301-22-44
42	28	1301-28-42
44	28	1301-28-44
46	28	1301-28-46
48	28	1301-28-48
50	28	1301-28-50
52	28	1301-28-52
54	28	1301-28-54
56	28	1301-28-56
58	28	1301-28-58
60	28	1301-28-60
62	28	1301-28-62
64	28	1301-28-64
66	28	1301-28-66
68	28	1301-28-68
70	28	1301-28-70
44	32	1301-32-44
46	32	1301-32-46
48	32	1301-32-48
50	32	1301-32-50
52	32	1301-32-52
54	32	1301-32-54
56	32	1301-32-56
58	32	1301-32-58
60	32	1301-32-60
62	32	1301-32-62
64	32	1301-32-64
66	32	1301-32-66
68	32	1301-32-68
70	32	1301-32-70



Müller II PE Cup Snap-Fit

Size (ø) in mm	Head (ø) in mm	Art. no.
36	22	1310-22-36
38	22	1310-22-38
40	22	1310-22-40
42	22	1310-22-42
44	22	1310-22-44
42	28	1310-28-42
44	28	1310-28-44
46	28	1310-28-46
48	28	1310-28-48
50	28	1310-28-50
52	28	1310-28-52
54	28	1310-28-54
56	28	1310-28-56
58	28	1310-28-58
60	28	1310-28-60
62	28	1310-28-62
64	28	1310-28-64
66	28	1310-28-66
68	28	1310-28-68
70	28	1310-28-70
44	32	1310-32-44
46	32	1310-32-46
48	32	1310-32-48
50	32	1310-32-50
52	32	1310-32-52
54	32	1310-32-54
56	32	1310-32-56
58	32	1310-32-58
60	32	1310-32-60
62	32	1310-32-62
64	32	1310-32-64
66	32	1310-32-66
68	32	1310-32-68
70	32	1310-32-70



Müller II PE Cup Dysplasia 10°

Size (ø) in mm	Head (ø) in mm	Art. no.
42	28	1303-28-42
44	28	1303-28-44
46	28	1303-28-46
48	28	1303-28-48
50	28	1303-28-50
52	28	1303-28-52
54	28	1303-28-54
56	28	1303-28-56
58	28	1303-28-58
60	28	1303-28-60
62	28	1303-28-62
64	28	1303-28-64
66	28	1303-28-66
68	28	1303-28-68
70	28	1303-28-70
44	32	1303-32-44
46	32	1303-32-46
48	32	1303-32-48
50	32	1303-32-50
52	32	1303-32-52
54	32	1303-32-54
56	32	1303-32-56
58	32	1303-32-58
60	32	1303-32-60
62	32	1303-32-62
64	32	1303-32-64
66	32	1303-32-66
68	32	1303-32-68
70	32	1303-32-70



MÜLLER II CUP  
INSTRUMENT SET

An optimised instrument set ensures a safe surgical procedure.



MÜLLER II CUP  
BASIC INSTRUMENT SET

The basic instrument set for the Müller II Cup contains all insertion head variants and sizes for use with the four different implant variants of the Müller II Cup: Standard, Flat, Snap-Fit and Dysplasia. The insertion heads are compatible with the grip of the equatorial size tester.

ACETABULUM REAMER

Precise acetabulum reamers ensure a clean implant bed in preparation for insertion of cemented and cementless acetabular cups. We offer the reamers in 2 mm step ranges. For cemented cups, two sizes larger than that of the implant must be used to achieve a 2 mm, surrounding cement mantle.



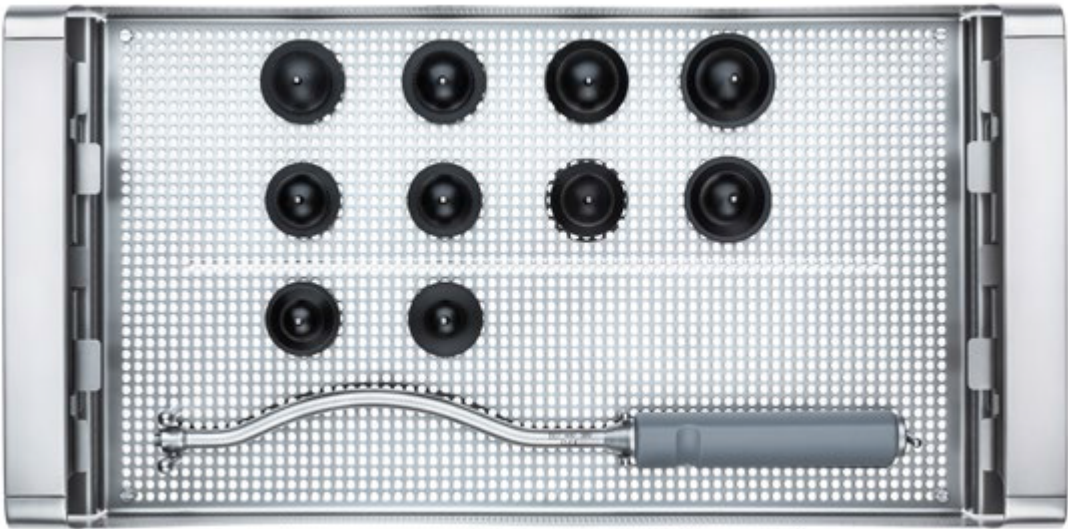
EQUATORIAL SIZE TESTER

Our equatorial size testers with a 3-spoke design provide a good view of the implant bed and thus ensure accurate testing of the size of the acetabulum. Available in step ranges of 2 mm, our size testers are designed to fit our acetabular cups. The handle is attached by means of a thread. This is easy to understand and facilitates a rapid change of size.

Both the basic instrument set as well as the acetabulum reamers and the equatorial size testers can be supplied in our Monolite trays. These instrument trays are crafted out of a single piece and are made of premium grade stainless steel. The high thermal and chemical resilience of the instrument trays and the use of the transport covers as cover plates make cleaning and sterilisation particularly easy. The system is characterised by its light weight and can be stacked as desired. The optimal positioning of the retaining elements in the hole matrix ensure a smooth workflow during any surgical procedure. The trays are equipped with a shaded layout to facilitate the arrangement of the instruments.

Art. no. 367-400

Basic Instrument Set for Müller II Cup



Handle for size tester

Art. no. 600-300 | with M8 thr ead



PE-Cup inserter head



PE-Cup inserter head

Size		Art. no.
ø 28 mm	Dysplasia	506-1237
ø 32 mm	Dysplasia	506-1238
ø 22 mm	Standar d	506-1239
ø 28 mm	Standar d	506-1031
ø 32 mm	Standar d	506-1079
ø 22 mm	Flat	506-1254
ø 28 mm	Flat	506-1255
ø 32 mm	Flat	506-1256
ø 28 mm	Snap-Fit	506-1027
ø 32 mm	Snap-Fit	506-1030

Tray Müller II Cup (empty)

Art.-no. 367-0801

Tray lid

Art.-no. 452-013

WE RECOMMEND

Art. no. 506-010 | Goniometer

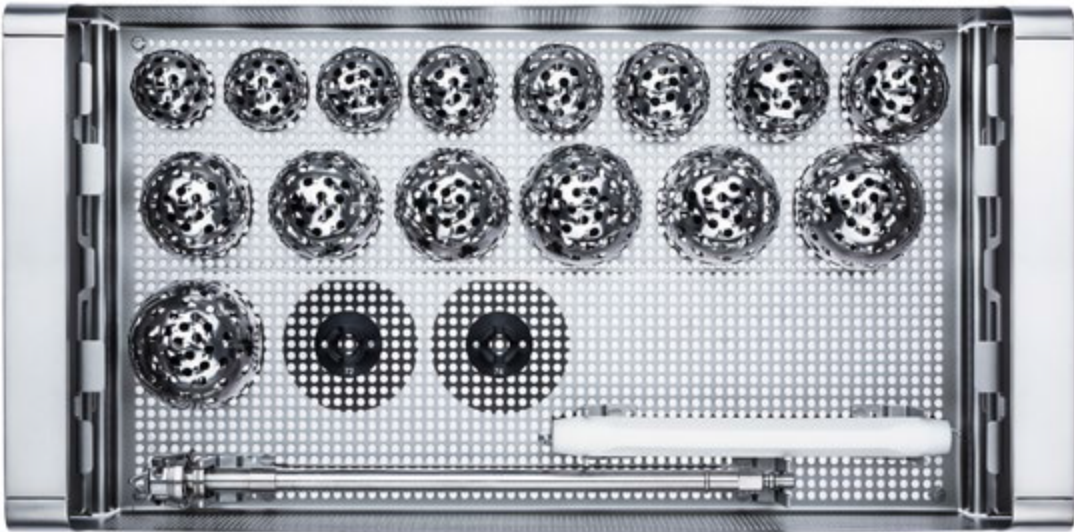


Use the positioning guide to securely position the Müller II Cup. It is placed onto the handle of the size tester (s. p. 15).



Art. no. 367-147

Instrument Set Acetabulum Reamer



Prima Straight with AO connection (2-piece)

Art. no. 506-516



Tray Acetabulum reamer (empty)

Art.-no. 367-150

Tray lid

Art.-no. 452-013

Acetabulum reamer

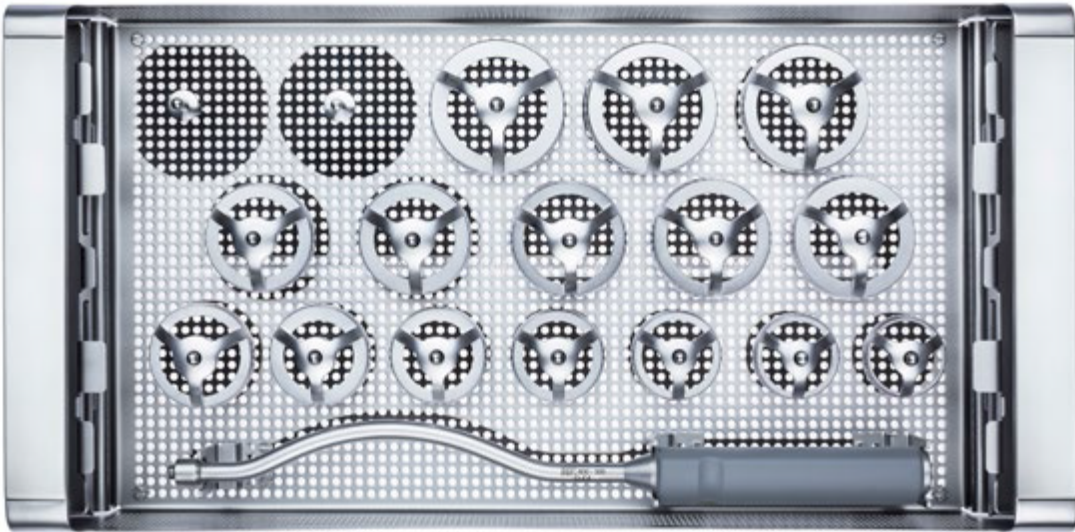


Acetabulum reamer

Size	Art. no.	Size	Art. no.
ø 42 mm	506-515	ø 58 mm	506-508
ø 44 mm	506-501	ø 60 mm	506-509
ø 46 mm	506-502	ø 62 mm	506-510
ø 48 mm	506-503	ø 64 mm	506-511
ø 50 mm	506-504	ø 66 mm	506-512
ø 52 mm	506-505	ø 68 mm	506-513
ø 54 mm	506-506	ø 70 mm	506-514
ø 56 mm	506-507		

Art. no. 367-148

Instrument Set Equatorial Size Tester



Handle for size tester

Art. no. 600-300 | with M8 thr ead



Tray Equatorial Size Tester (empty)

Art.-no. 367-151

Tray lid

Art.-no. 452-013

Equatorial size tester



Equatorial size tester M8

Size	Art. no.	Size	Art. no.
ø 42 mm	506-313	ø 58 mm	506-321
ø 44 mm	506-314	ø 60 mm	506-322
ø 46 mm	506-315	ø 62 mm	506-323
ø 48 mm	506-316	ø 64 mm	506-324
ø 50 mm	506-317	ø 66 mm	506-325
ø 52 mm	506-318	ø 68 mm	506-326
ø 54 mm	506-319	ø 70 mm	506-327
ø 56 mm	506-320		





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#### Disclaimer

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It is not meant as information for medical lay persons. The explanations about the products contained in the brochure are general explanations and do not constitute medical advice.

The product information was created and compiled by medical experts and technically qualified employees of Biodynamics to the best of their knowledge.

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