

Aesculap[®] Plasmafit[®]

Cementless Acetabular Cup System



Aesculap Orthopaedics

Aesculap® Plasmfit®

Cementless Acetabular Cup System



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Aesculap® Plasmafit® Concept.

Cementless Acetabular Cup System



Ream the Fit

✓ no trial cups

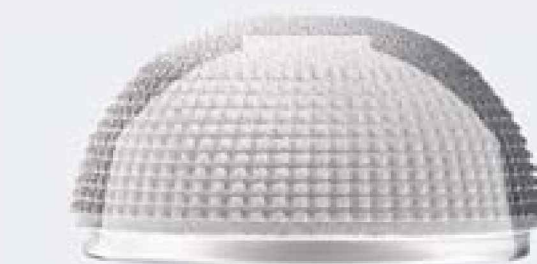
The precise profile structure of the Plasmafit® surface enables the surgeon to skip the step of trial cup implantation in most cases.



Feel the Fit

✓ no screws

The high intraoperative primary stability of Plasmafit® reduces the need for additional screw fixation to only a few cases and allows implantations under difficult conditions and easy revision treatments.



Fit the Insert

✓ no compromises

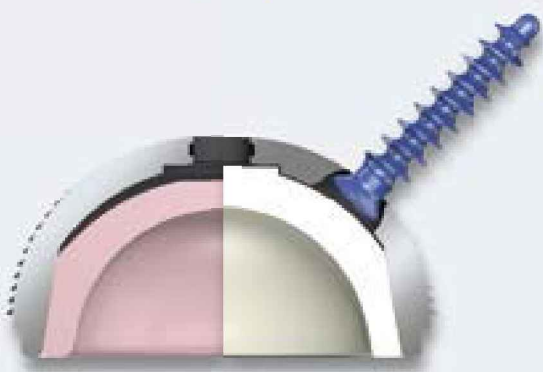
The wall thickness of both Plasmafit® implant lines offers an improved articulation choice for highly crosslinked polyethylene and ceramic cup liners.

Plasmafit® Poly. Improved cup implant line for Vitelene® XLPE



- ✓ Thin metal shell without screw option
- ✓ Only for Vitelene® polyethylene liners
- ✓ Large articulation diameter for small cup sizes
- ✓ 36 mm articulation for cup size 50 and higher
- ✓ PE wall thickness of min. 5.5 mm in main load area
- ✓ Closing plug for central insertion hole

Plasmafit® Plus. Universal cup implant line for ceramic and polyethylene with screw option



- ✓ Thick cup design with screw option
- ✓ For the use of ceramic and polyethylene cup liners
- ✓ BioloX® delta, Vitelene® and conventional PE
- ✓ 36 mm articulation for cup size 52
- ✓ Cup alternatives with no, 3 or 7 screw holes
- ✓ Closing plug for no hole cup line



Plasmafit® Plus
without screw hole



Plasmafit® Plus 3
with 3 screw holes



Plasmafit® Plus 7
5 screw holes cranially, 2 screw holes caudally

Aesculap® Plasmakit® System.

Cementless Acetabular Cup System

Plasmakit® Poly with Vitelene®

- ✓ Thin shell without screw holes
- ✓ Increased polyethylene wall thickness
- ✓ Large articulation diameter

Plasmakit® Poly is a dedicated cup implant line exclusively for the use with polyethylene liners. The profile of the wall thickness enlarges the material thickness of polyethylene liners and allows the optional use of correction liners.

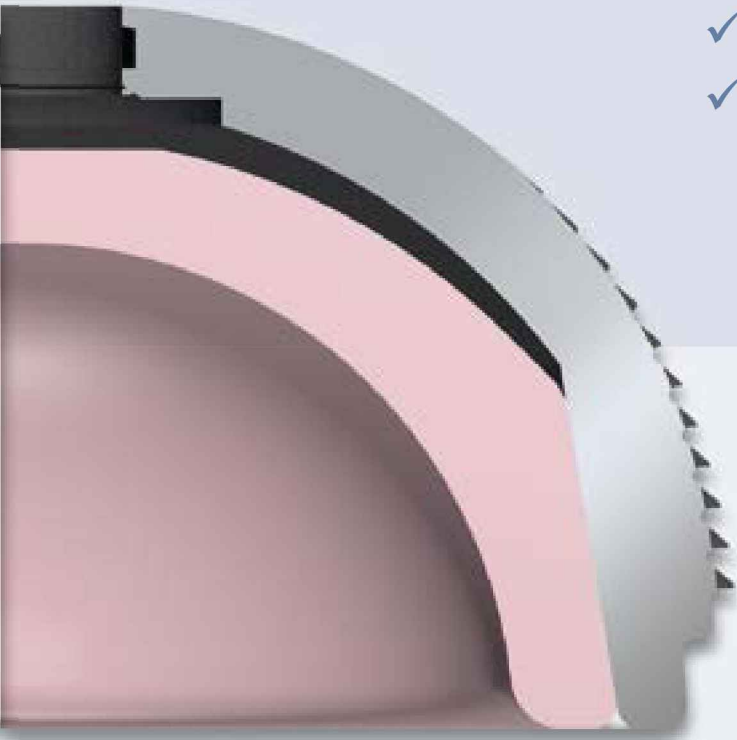
Plasmakit® Poly implants enable a 36 mm highly crosslinked Vitelene® liner for cup size 50, up to a 40 mm articulation for cup size 54.



Plasmakit® Poly from size 50 with 36 mm Vitelene®

Plasmafit® Plus with BioloX® delta

- ✓ Universal cup implant line
- ✓ Vitelene® as additional bearing option
- ✓ Implants with and without cancellous screws



Plasmafit® Plus from size 52 with 36 mm BioloX® delta

Plasmafit® Plus designed for combined treatments with ceramic or polyethylene articulation materials. The increased wall thickness compared to Plasmafit® Poly allows additional screw holes for an optional use of cancellous fixation screws.

A 36 mm BioloX® delta ceramic on ceramic articulation can be realized for cup size 52, 40 mm articulation for cup size 56.

All Plasmafit® Plus cup implants can be combined with modular Vitelene® polyethylene liners made of vitamin E stabilized highly crosslinked polyethylene.

Aesculap® Plasmafit® Surface.

Cementless Acetabular Cup System

- ✓ High implant stability
- ✓ Wide range of indication
- ✓ Easy surgical technique



Plasmafit® Structure

The profile structure of the Plasmafit® cup surface features a precise and fine tooth geometry which gradually diminishes towards the dome.

The primary implant stability is supported particularly on the rim of the cup.

The pressfit locking allows a primary cup stability under different bone qualities and cup preparations.



- ✓ Microporous pure titanium coating
- ✓ Increased implant surface
- ✓ Pressfit locking in implant bed

Plasmapore® Coating

The combination of the Plasmafit® surface structure with the Plasmapore® coating leads to a very rough implant surface.

Pure titanium powder is applied in a plasma vacuum coating process to the surface of cementless implants to form a 0.35 mm thick layer with up to 50% porosity.

The Plasmapore® surface supports the direct bone apposition on the increased implant surface.

Aesculap® Plasmafit® Design.

Cementless Acetabular Cup System

Plasmafit® Periphery

The external Plasmafit® shape is spherical with a slightly flattened dome. The centre of rotation with standard liners is located on the exact cup entrance plane. The liners are supported by the rounded rim of the cup. The equatorial pressfit is 1.5 mm.

Plasmafit® Inner Design

The design of the Plasmafit® inside is characterized by a firm fixation of modular liners, alternatively polyethylene or ceramic.

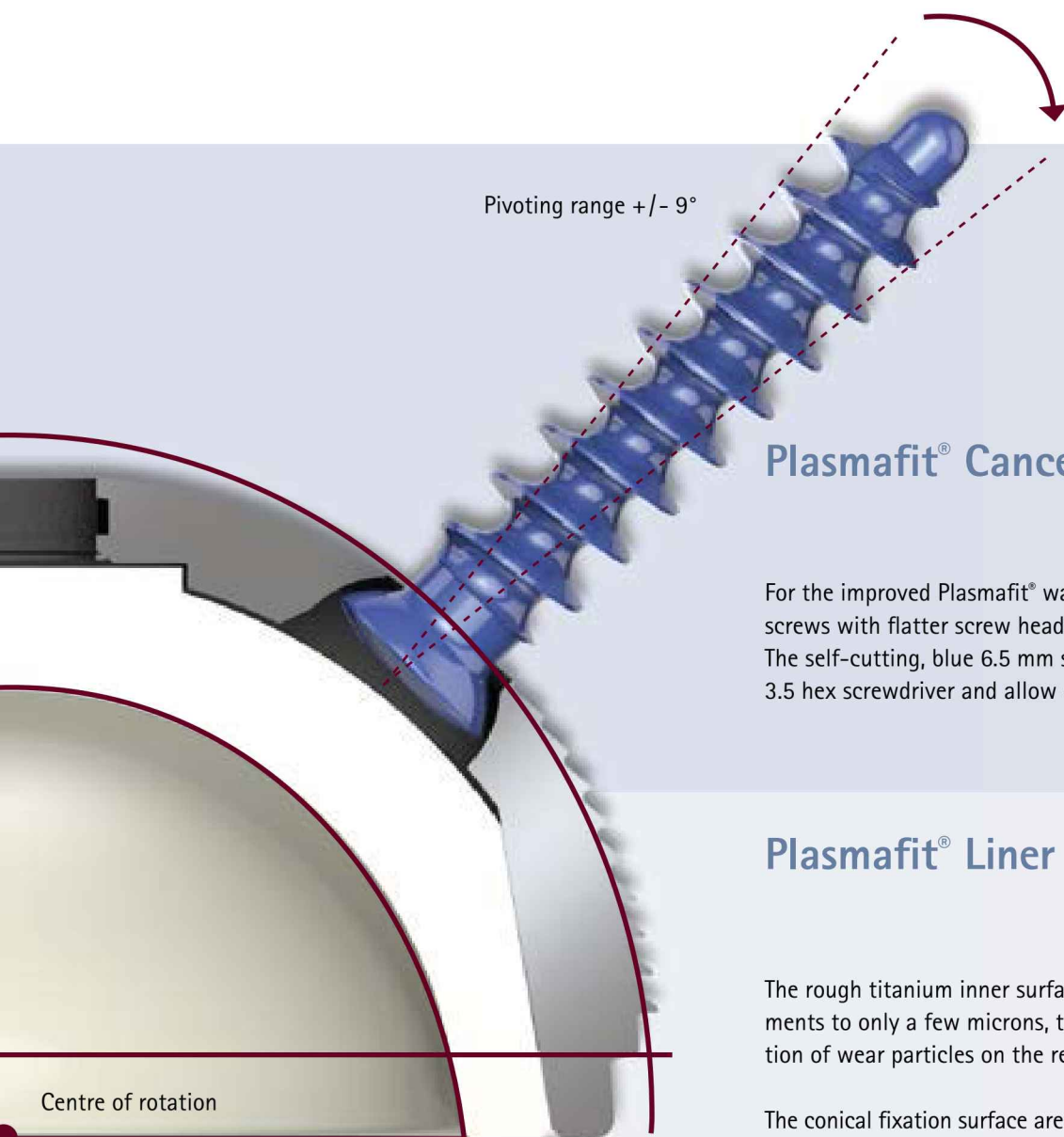
Plasmafit® Plus cups can be combined with liners of polyethylene, ceramic and fixation screws. The thin-walled implant line Plasmafit® Poly is especially designed for polyethylene liners.

The fixation of the Plasmafit® liners is realized by a large area conical locking mechanism. Polyethylene liners have an additional locking-free contact with the base of the cup.

Sphere



Plasmafit® Plus size 52 with 36 mm Vitelene® insert



Pivoting range $\pm 9^\circ$

Plasmefit® Cancellous Screws

For the improved Plasmefit® wall thickness special fixation screws with flatter screw heads have been designed. The self-cutting, blue 6.5 mm screws are inserted with a 3.5 hex screwdriver and allow a pivoting angle of $\pm 9^\circ$.

Plasmefit® Liner Fixation

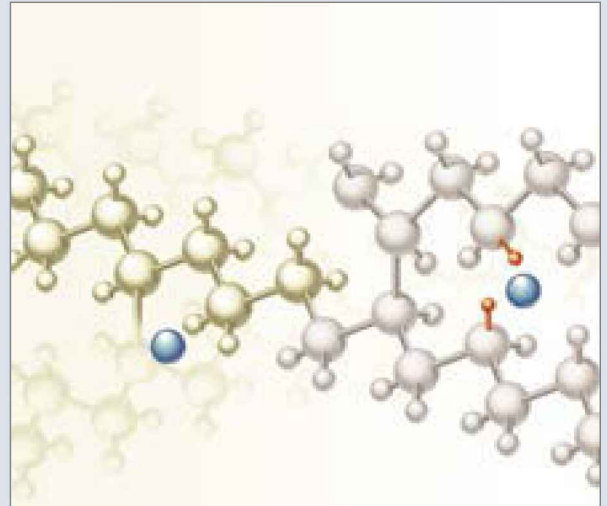
The rough titanium inner surface reduces relative movements to only a few microns, thus preventing the formation of wear particles on the rear side of the liner.

The conical fixation surface area of the Plasmefit® polyethylene liners also forms a seal against the migration of polyethylene particles from the articulating joint, thus reducing the risk of an osteolysis adjacent to the screw holes.

Plasmefit® polyethylene liners are strongest when the load is directed cranially. In the primary load area Plasmefit® polyethylene liners have a minimum thickness of 5.5 mm. The fixation has a high stability against tilting and rotation forces in vivo.

Aesculap® Plasmafit® Articulation.

Cementless Acetabular Cup System



Vitelene®

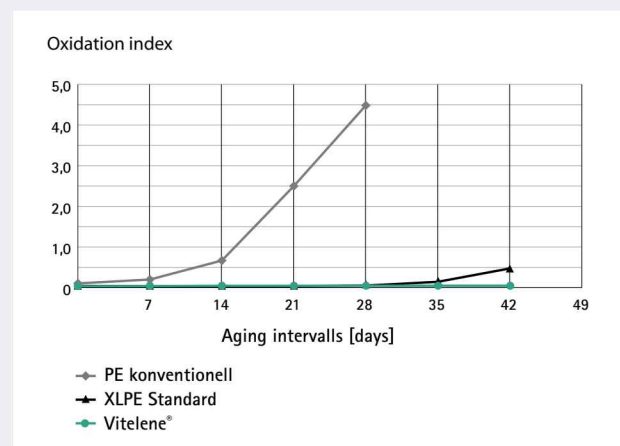
Vitelene® for Plasmafit® Poly

Vitelene® is a highly crosslinked polyethylene stabilized with vitamin E. Vitamin E provides long-term oxidation protection by binding free radicals through the release of H atoms. Polyethylene powder GUR 1020 is mixed with vitamin E (0.1% α -Tocopherol) and pressed into sheets. Afterwards a total dose of 80 kGy electron beam radiation is applied to cross link the blank product.

The Vitelene® inserts are manufactured using state of the art CNC technology and sterilized with ethylene oxide. There is no post-irradiation thermal treatment necessary, hence no negative impact on mechanical properties is induced. Vitelene® needs no thermal treatment and has, therefore, balanced mechanical properties. It is characterized by wear and oxidation resistance. The in vitro wear of Plasmafit® Vitelene® liners in combination with a 36 mm ceramic head is three times below the threshold that is known to cause osteolysis.

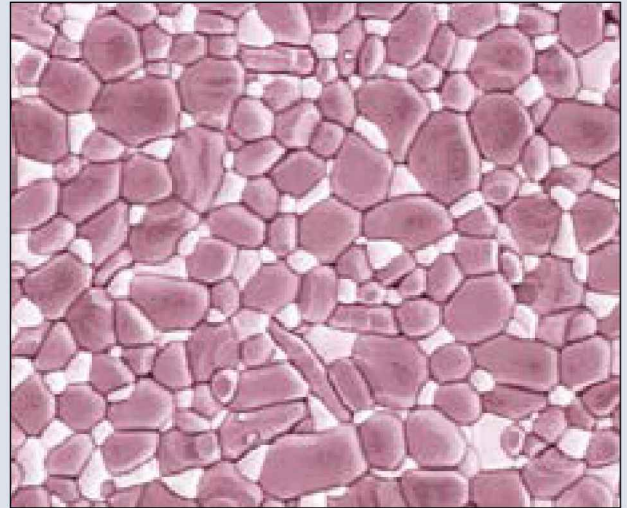
Higher wear rates can occur with metal heads, by third-body wear, through cup malpositioning or as a result of implant loosening.

Due to its excellent properties Vitelene® represents a next generation of highly crosslinked polyethylene for total hip arthroplasty.



Oxidation index measurements of conventional, standard highly crosslinked polyethylene and vitamin E stabilized highly crosslinked Vitelene®.

Source: Aesculap AG, Tuttlingen



BioloX® delta

BioloX® delta for Plasmafit® Plus

When using ceramic BioloX® delta cup liners wear particles in the joint are reduced to only a few μm per year. With a correct implant positioning and a good joint stability a ceramic on ceramic total hip arthroplasty is a well accepted and proven longterm treatment for younger patients.

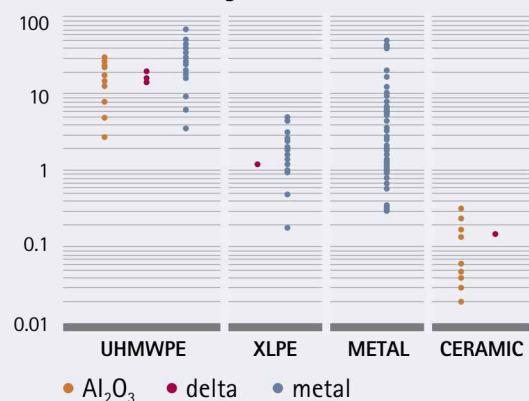
BioloX® delta is a high strength aluminium oxide matrix ceramic. Besides high fracture strength BioloX® delta implant components are characterized additionally by high fracture toughness. Finest ZrO_2 particles strengthen the ceramic material and prevent the propagation of cracks. This leads to an excellent material strength.

*ISO 14242 hip simulator wear measurements
and data referring to other studies.*

*Source: Dr. Ing. Christian Kaddick,
Endolab Mechanical Engineering GmbH, Thansau/Rosenheim*

For the Plasmafit® Plus implant line newly developed BioloX® delta ceramic liners are available. During the development process, special attention was paid to rounded liner edges, maximum liner wall thickness and conical fixation area.

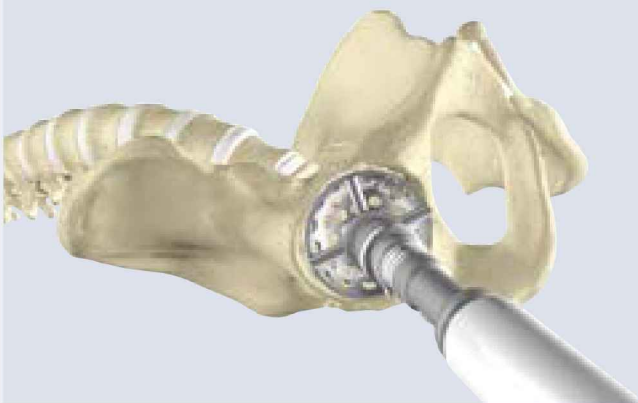
Gravimetric wear [mg/million]



Aesculap® Plasmafit® Surgical Technique.

Cementless Acetabular Cup System

Acetabular preparation

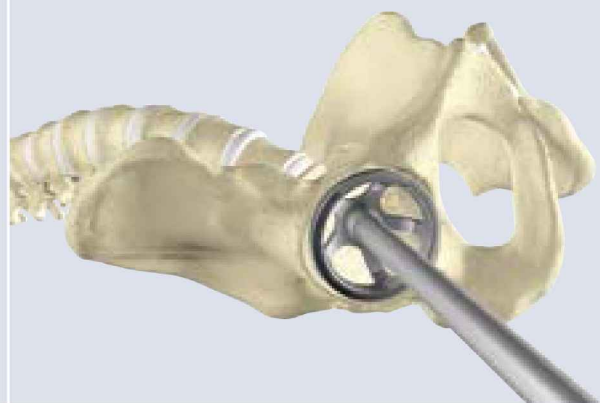


Acetabular exposure and removal of cartilage and osteophytes are required for the proper preparation of the acetabulum. This is done by using spherical reamers, which are driven by a low-speed motor handpiece. During the reaming procedure all cartilage down to the subchondral bone must be ablated until bleeding occurs.

For non-dysplastic cases care must be taken not to medialize the center of rotation of the joint unnecessarily. The rim of the acetabulum should be prepared for a sufficient large bony fixation surface.

In cases of dysplastic changes a cup position in the region of the primary socket is recommended, as far as a shortening of the leg can be compensated. The caudal edge of the shell should be at the level of the tear drop figure. If necessary, a cranial bone graft, to provide sufficient cranial roofing, is positioned before the socket base is prepared.

Trial cup insertion

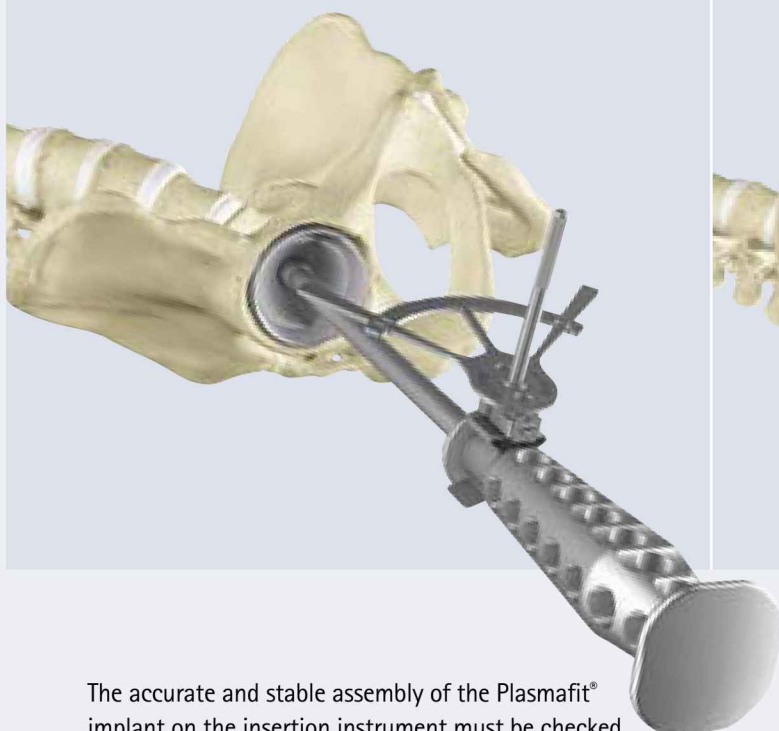


The size of the Plasmafit® implant corresponds to the size of the last acetabular reamer and includes the proper pressfit conditions.

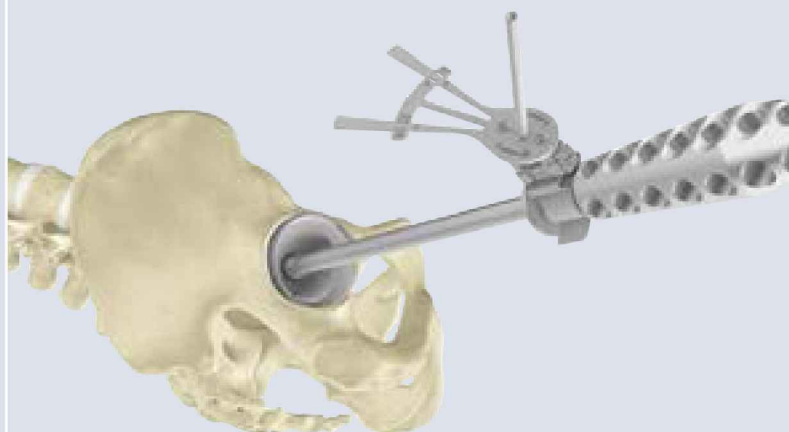
In difficult bone conditions, the use of a trial cup is recommended prior to the final cup implant selection. A stable fit of this trial cup is achieved when the pelvis of the patient can be moved slightly by gently moving the cup impactor. The trial implant can be easily levered out from the in-vivo trial position by moving beyond this angle.

For the implantation of the Plasmafit® cup implants two straight insertion instruments with two different lengths and one curved instrument for less invasive surgical approaches are provided.

Aiming device supine position



Aiming device lateral position



The accurate and stable assembly of the Plasmafit® implant on the insertion instrument must be checked by a surgical assistant and the surgeon prior to the implantation. The impactor is also suitable for shifting and correcting the position of the cup implant.

Plasmafit® cup implants can be navigated with all OrthoPilot® Hip Suite software applications. The Plasmafit® instruments are designed for use with navigation technology and can be combined with all specific navigation instruments.

For the positioning of the cup implant aiming devices are available either for supine or lateral patient position. Additionally a universal aiming device for both patient positions can be offered, where inclination and anteversion can also be adjusted in 5° steps.



Aesculap® Plasmafit® Surgical Technique.

Cementless Acetabular Cup System

Plasmafit® cup implant with central closing plug



After completing the surgical steps of acetabular exposure, reaming and implantation of the Plasmafit® cup, the central impaction hole can be closed with a plug which is automatically provided with the no hole cup implants.

Afterwards the insertion of the trial liner follows. The final selection of the modular liner is determined after the stem is implanted and a final trial reduction has been performed.

Plasmafit® with trial liner



Liners with posterior wall (hooded) increase luxation stability e.g. towards posterior for implantations using the posterior surgical approach. The asymmetrical liners correct the cup position by 10 degrees.

In good bone Plasmafit® can be implanted without additional screws. As a stability check the cup impactor is moved slightly until the patient's pelvis moves. Under these conditions, Plasmafit® Plus 3 can also be rotated 180° prior to implantation, placing the screw holes in the non load bearing caudal region since they are not needed cranially.

Plasmafit® Plus with additional screw fixation



Plasmafit® Plus with BioloX® delta ceramic liner



If there is any doubt concerning the intraoperative primary stability the Plasmafit® Plus implant line can optionally be used with screws. Plasmafit® Plus 3 cup implants offer three screw holes in the cranial region. To protect the medial blood vessels, the middle and lateral screw positions can be used and the medial hole is usually left open. Plasmafit® 5 and 7 offer further screw holes in the cranial and caudal region.

Prior to inserting the self-tapping 6.5 mm screws the drill holes are prepared with a flexible 3.2 mm drill. The required screw length is measured and the screws are implanted using a screw holding forceps and a cardan screwdriver.

The ceramic Plasmafit® liners can be removed with special attachments for the cup impactor. It is important to place the instruments precisely on the rim of the metal shell. The separation of the liner from the cup is done with several sharp blows or impulses. Please see the instructions for use enclosed with every Plasmafit® implant.

When using ceramic liners the final check for seating is assessed with a fingertip check. After inserting, the liner is fixed using an impactor with a plastic head. After the joint reduction the correct liner position should be checked again.

Removal of ceramic cup liners



Aesculap® Plasmfit® Poly Implants.

Cementless Acetabular Cup System

Cup implants								
Cup size		40	42	44	46	48	50	52
Liner size		B	C	D	E	F	G	H
Plasmfit® Poly	ISOTAN® _F	NV040T	NV042T	NV044T	NV046T	NV048T	NV050T	NV052T
Cup liners		B	C	D	E	F	G	H
symmetrical Vitelene® 	Ø 22.2 mm	NV183E	NV184E	-	-	-	-	-
	Ø 28 mm	-	NV189E	NV190E	NV191E	NV192E	NV193E	NV194E
	Ø 32 mm	-	-	-	NV201E	NV202E	NV203E	NV204E
	Ø 36 mm	-	-	-	-	-	NV213E	NV214E
	Ø 40 mm	-	-	-	-	-	-	-
posterior wall Vitelene® 	Ø 22.2 mm	NV283E	NV284E	-	-	-	-	-
	Ø 28 mm	-	NV289E	NV290E	NV291E	NV292E	NV293E	NV294E
	Ø 32 mm	-	-	-	NV301E	NV302E	NV303E	NV304E
	Ø 36 mm	-	-	-	-	-	NV313E	NV314E
asymmetrical Vitelene® 	Ø 22.2 mm	NV383E	NV384E	-	-	-	-	-
	Ø 28 mm	-	NV389E	NV390E	NV391E	-	-	-
	Ø 32 mm	-	-	-	NV401E	NV402E	NV403E	NV404E
symmetrical UHMWPE	Ø 32 mm	-	-	-	NV201	NV202	NV203	NV204

54	56	58	60	62
I	J	K	L	M
NV054T	NV056T	NV058T	NV060T	NV062T
I	J	K	L	M
-	-	-	-	-
NV195E	-	-	-	-
NV205E	NV206E	NV207E	NV208E	NV209E
NV215E	NV216E	NV217E	NV218E	NV219E
NV225E	NV226E	NV227E	NV228E	NV229E
-	-	-	-	-
NV295E	-	-	-	-
NV305E	NV306E	NV307E	NV308E	NV309E
NV315E	NV316E	NV317E	NV318E	NV319E
-	-	-	-	-
-	-	-	-	-
NV405E	NV406E	NV407E	NV408E	NV409E
NV205	NV206	NV207	NV208	NV209



Plasmafit® Poly

no screw holes, with closing plug



The central closing plug is automatically delivered with cup implants without screw holes.

The closing plug NV001T can also be ordered separately.

Aesculap® Plasmfit® Plus Implants.

Cementless Acetabular Cup System

Cup implants								
Cup size		40	42	44	46	48	50	52
Liner size		A	B	C	D	E	F	G
Plasmfit® Plus	ISOTAN® _F	NV140T	NV142T	NV144T	NV146T	NV148T	NV150T	NV152T
Plasmfit® Plus 3	ISOTAN® _F	NV240T	NV242T	NV244T	NV246T	NV248T	NV250T	NV252T
Plasmfit® Plus 7	ISOTAN® _F	NV340T*	NV342T*	NV344T*	NV346T	NV348T	NV350T	NV352T

* with 5 screw holes

Cup liners		A	B	C	D	E	F	G
symmetrical BioloX® delta 	Ø 28 mm	-	-	NV089D	NV090D	NV091D	NV092D	NV093D
	Ø 32 mm	-	-	-	-	NV101D	NV102D	NV103D
	Ø 36 mm	-	-	-	-	-	-	NV113D
	Ø 40 mm	-	-	-	-	-	-	-
symmetrical Vitelene® 	Ø 22.2 mm	NV182E	NV183E	NV184E	-	-	-	-
	Ø 28 mm	-	-	NV189E	NV190E	NV191E	NV192E	NV193E
	Ø 32 mm	-	-	-	-	NV201E	NV202E	NV203E
	Ø 36 mm	-	-	-	-	-	-	NV213E
	Ø 40 mm	-	-	-	-	-	-	-
posterior wall Vitelene® 	Ø 22.2 mm	NV282E	NV283E	NV284E	-	-	-	-
	Ø 28 mm	-	-	NV289E	NV290E	NV291E	NV292E	NV293E
	Ø 32 mm	-	-	-	-	NV301E	NV302E	NV303E
	Ø 36 mm	-	-	-	-	-	-	NV313E
asymmetrical Vitelene® 	Ø 22.2 mm	NV382E	NV383E	NV384E	-	-	-	-
	Ø 28 mm	-	-	NV389E	NV390E	NV391E	-	-
	Ø 32 mm	-	-	-	-	NV401E	NV402E	NV403E
symmetrical UHMWPE 	Ø 32 mm	-	-	-	-	NV201	NV202	NV203

54	56	58	60	62	64	66	68	70
H	I	J	J	J	K	K	K	K
NV154T	NV156T	NV158T	NV160T	NV162T	NV164T	NV166T	NV168T	NV170T
NV254T	NV256T	NV258T	NV260T	NV262T	NV264T	NV266T	NV268T	NV270T
NV354T	NV356T	NV358T	NV360T	NV362T	NV364T	NV366T	NV368T	NV370T

H	I	J	K
NV094D	-	-	-
NV104D	NV105D	NV106D	NV107D
NV114D	NV115D	NV116D	NV117D
-	NV125D	NV126D	NV127D
-	-	-	-
NV194E	NV195E	-	-
NV204E	NV205E	NV206E	NV207E
NV214E	NV215E	NV216E	NV217E
-	NV225E	NV226E	NV227E
-	-	-	-
NV294E	NV295E	-	-
NV304E	NV305E	NV306E	NV307E
NV314E	NV315E	NV316E	NV317E
-	-	-	-
-	-	-	-
NV404E	NV405E	NV406E	NV407E
NV204	NV205	NV206	NV207



Plasmafit® Plus

no screw holes, with closing plug



Plasmafit® Plus 3

with 3 screw holes



Plasmafit® Plus 7

5 screw holes cranially, 2 screw holes caudally



The central closing plug is automatically delivered with cup implants without screw holes.

The closing plug NV001T can also be ordered separately.

Aesculap® Plasmakit® Implants.

Cementless Acetabular Cup System



Ceramic – Prosthesis Heads

12/14

Ø	22.2 mm	28 mm	32 mm	36 mm	40 mm
S	-	NK460D	NK560D	NK650D	NK750D
M	-	NK461D	NK561D	NK651D	NK751D
L	-	NK462D	NK562D	NK652D	NK752D
XL	-	-	NK563D	NK653D	NK753D

BioloX® delta



Metal – Prosthesis Heads

12/14

Ø	22.2 mm	28 mm	32 mm	36 mm	40 mm
S	-	NK429K	NK529K	NK669K	NK769K
M	NK330K	NK430K	NK530K	NK670K	NK770K
L	NK331K	NK431K	NK531K	NK671K	NK771K
XL	-	NK432K	NK532K	NK672K	NK772K
XXL	-	NK433K	NK533K	NK673K	NK773K

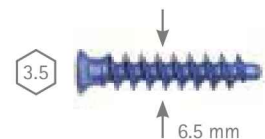
ISODUR® F

Implant Materials:

BioloX® delta	Aluminium oxide matrix ceramic (Al ₂ O ₃ /ZrO ₂ /ISO 6474-2)
ISOTAN® F	Titanium forged alloy (Ti6Al4V/ISO 5832-3)
ISODUR® F	Cobalt-chromium forged alloy (CoCrMo/ISO 5832-12)
Plasmapore®	Pure titanium (Ti/ISO 5832-2)
UHMWPE	Ultra high molecular weight polyethylene (ISO 5834-2)
Vitelene®	UHMWPE-XE vitamin E stabilized highly crosslinked polyethylene

Plasmakit® – Cancellous Screws

16 mm	NV010T
20 mm	NV011T
24 mm	NV012T
28 mm	NV013T
32 mm	NV014T
36 mm	NV015T
40 mm	NV016T
44 mm	NV017T
48 mm	NV018T
52 mm	NV019T
56 mm	NV020T
60 mm	NV021T
64 mm	NV022T
68 mm	NV023T



ISOTAN® F

Aesculap® Plasmafit® Instruments.

Acetabular Reamers



Tray NF932R



With supports for:

13 reamers, two straight and one curved reamer shanks

OrthoPilot® sleeve FS939

Standard protection sleeve FS974

NF933R (w/o pic.) with supports for:

24 reamers and two straight reamer shanks



FS939 or FS974

Straight reamer shanks

OrthoPilot® reamer shank ZIMMER FS959R

OrthoPilot® reamer shank Harris FS960R

OrthoPilot® reamer shank AO FS961R

Full profile reamers

Ø 40 mm	NF940R	Ø 56 mm	NF956R
Ø 42 mm	NF942R	Ø 58 mm	NF958R
Ø 44 mm	NF944R	Ø 60 mm	NF960R
Ø 46 mm	NF946R	Ø 62 mm	NF962R
Ø 48 mm	NF948R	Ø 64 mm	NF964R
Ø 50 mm	NF950R	Ø 66 mm	NF966R
Ø 52 mm	NF952R	Ø 68 mm	NF968R
Ø 54 mm	NF954R		



Curved reamer shanks

Curved reamer shank ZIMMER NF935R

Curved reamer shank Harris NF936R

Curved reamer shank AO NF937R

Note:

Please order all reamer components separately.

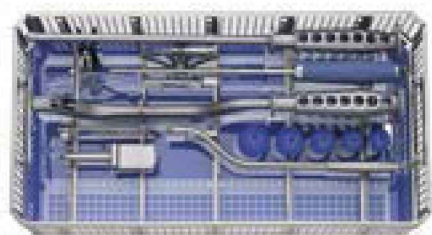


Half module tray with supports for reamers Ø 44-68, one straight reamer shank and protection sleeve
465 x 118 x 45 mm

NT635R

Aesculap® Plasmakit® Instruments.

Cementless Acetabular Cup System



Plasmakit® Basic Set NT400

Consisting of:

Tray with storage and space for one small and one half module tray 489 x 253 x 106 mm	NT401R
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Lid	JH217R
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Graphic template for NT400	TF072
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Screwdriver SW 4.5	NT412R
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Polyamid head Ø 28 mm	FS979
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Polyamid head Ø 32 mm	FS980
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Please order separately:

Insertion instrument length 442 mm	NT410R*
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Insertion instrument short length 377 mm	NT414R*
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Insertion instrument curved length 442 mm	NT411R
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Plug insertion instrument curved	NT413R
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Rotation and extraction plate	NT416R
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Universal aiming device, adjustable	NT420R**
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Aiming device supine position	NT417R**
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Aiming device lateral position	NT418R**
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Polyamid head Ø 22.2 mm	FS977
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Polyamid head Ø 36 mm	FS983
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Polyamid head Ø 40 mm	FS988
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Plasmakit® Ceramic Removal NT480

Consisting of:

Small tray can be clicked into the basic set 428 x 59 x 30 mm	NT481R
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Universal articulation attachment	NT431R
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Bar for size 44 mm C	NT471R
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Bar for size 46 mm D	NT472R
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Bar for size 48 mm E	NT473R
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Bar for size 50 mm F	NT474R
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Bar for size 52 mm G	NT475R
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Bar for size 54 mm H	NT476R
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Bar for size 56 mm I	NT477R
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Bar for size 58-62 mm J	NT478R
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Bar for size 64-70 mm K	NT479R
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Articulation attachment Ø 28 mm	NT495
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Articulation attachment Ø 32 mm	NT496
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Articulation attachment Ø 36 mm	NT497
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Articulation attachment Ø 40 mm	NT498
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Please order separately:

Plasmakit® X-ray templates scale 1.15:1	NT409
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* In the basic set NT400 one insertion instrument can be stored.

** In the basic set NT400 one aiming device can be stored.



Plasmafit® Module Screw Fixation NT402

Consisting of:	
Half module tray with supports 465 x 118 x 45 mm	NT403R
Flexible drilling shaft	NT419R
Drill bit Ø 3.2 mm, length 32 mm	NT424R
Cardan screwdriver SW 3.5	NT428R
Depth gauge	NT427R

Please order separately:	
Drill bit Ø 3.2 mm, length 44 mm	NT429R
Drill guide straight Ø 3.2 mm	NT421R
Drill guide curved Ø 3.2 mm	NT423R
Screw holding forceps straight	NT432R
Screw holding forceps curved	NT433R
Drill bit Ø 3.2 mm, length 20 mm	NT393R
Drill bit Ø 4.0 mm, length 20 mm	NT394R
Drill guide straight Ø 4.0 mm	NT422R
Drill guide curved Ø 4.0 mm	NT425R
Drill bit Ø 4.0 mm, length 32 mm	NT426R



Plasmafit® Module Trial Cups NT436

Consisting of:	
Half module tray with supports 465 x 118 x 45 mm	NT437R
Trial cup Ø 44 C	NT444R
Trial cup Ø 46 D	NT446R
Trial cup Ø 48 E	NT448R
Trial cup Ø 50 F	NT450R
Trial cup Ø 52 G	NT452R
Trial cup Ø 54 H	NT454R
Trial cup Ø 56 I	NT456R
Trial cup Ø 58 J	NT458R
Trial cup Ø 60 J	NT460R
Trial cup Ø 62 J	NT462R
Trial cup Ø 64 K	NT464R
Trial cup Ø 66 K	NT466R
Trial cup Ø 68 K	NT468R

Please order separately:	
Trial cup Ø 40 A	NT440R
Trial cup Ø 42 B	NT442R
Trial cup Ø 70 K	NT470R

Aesculap® Plasmfit® Instruments.

Cementless Acetabular Cup System



Plasmfit® Module Trial Liners NT404

Consisting of:

Half module tray for maximum
16 trial liners
465 x 118 x 45 mm

NT405R

Forceps for trial liners

NT430R

Note:

Plasmfit® Plus

Cup sizes 40–70 mm with liner sizes A–K

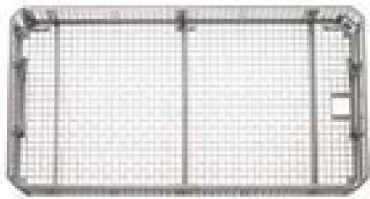
Plasmfit® Poly

Cup sizes 40–62 mm with liner sizes B–M

Please order separately:

Liner size	A	B	C	D	E	F	G	H	I	J	K	L	M
Ø in mm													
symmetrical	22.2	NT482	NT483	NT484	-	-	-	-	-	-	-	-	-
	28	-	-	NT489	NT490	NT491	NT532	NT533	NT534	NT535	-	-	-
	32	-	-	-	-	NT501	NT502	NT503	NT504	NT505	NT506	NT507	NT508
	36	-	-	-	-	-	-	NT513	NT514	NT515	NT516	NT517	NT518
	40	-	-	-	-	-	-	-	-	NT525	NT526	NT527	NT528
posterior wall	22.2	NT582	NT583	NT584	-	-	-	-	-	-	-	-	-
	28	-	-	NT589	NT590	NT591	NT592	NT593	NT594	NT595	-	-	-
	32	-	-	-	-	NT601	NT602	NT603	NT604	NT605	NT606	NT607	NT608
	36	-	-	-	-	-	-	NT613	NT614	NT615	NT616	NT617	NT618
asymmetrical	22.2	NT682	NT683	NT684	-	-	-	-	-	-	-	-	-
	28	-	-	NT689	NT690	NT691	-	-	-	-	-	-	-
	32	-	-	-	-	NT701	NT702	NT703	NT704	NT705	NT706	NT707	NT708

Additional Trays.



Empty tray to store two modules
489 x 253 x 76 mm

NT399R

Recommended containers for:

Plasmafit® Basic Set e.g. JK442
(592 x 274 x 135 mm)

Plasmafit® Additional module tray e.g. JK441
(592 x 274 x 120 mm)



Half empty module tray
465 x 118 x 45 mm

NT398R

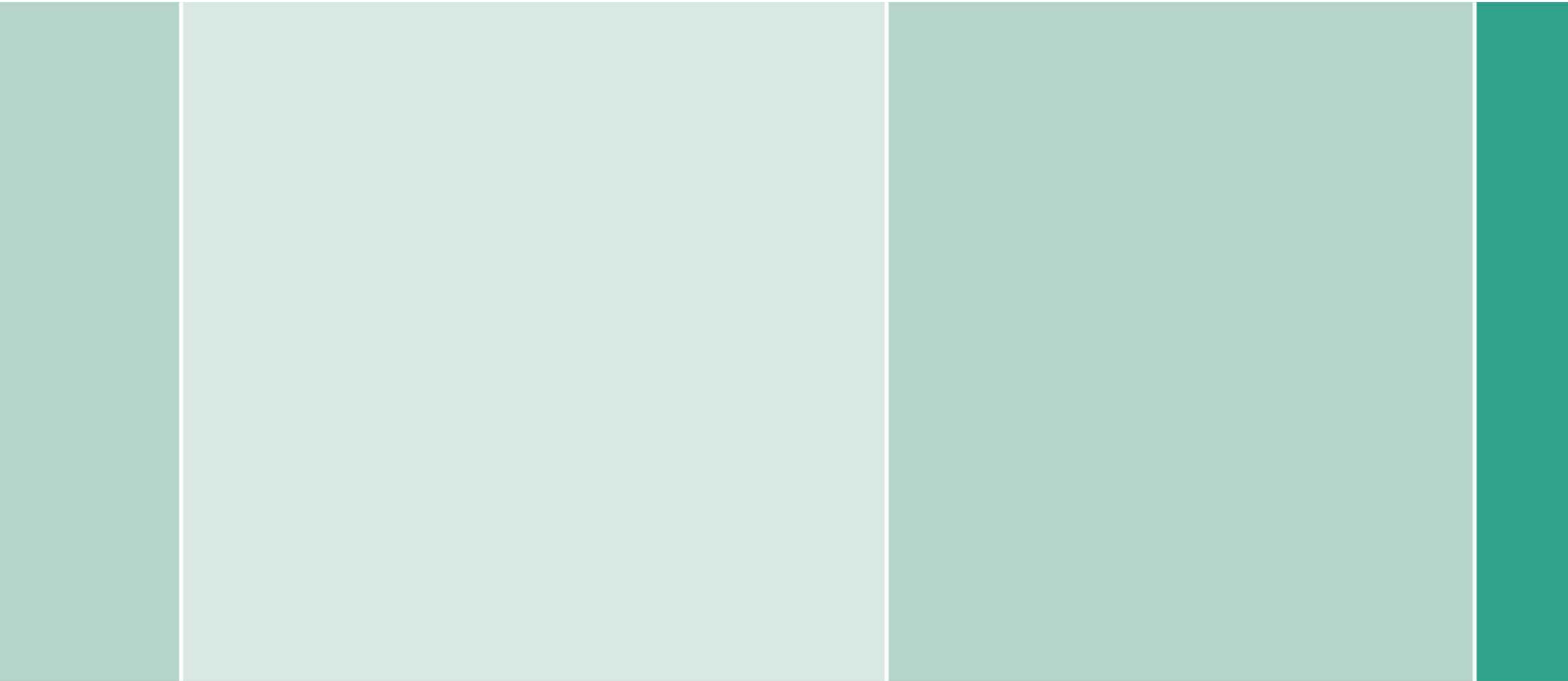


Small empty tray to click into basic set
428 x 59 x 30 mm

NT397R

Lid to use with NT397R for separate
storage

NT396R



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