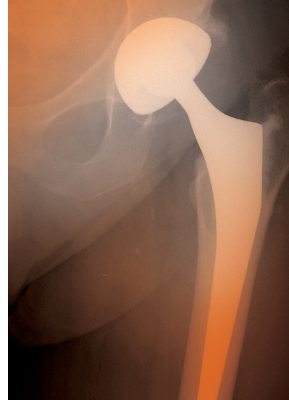
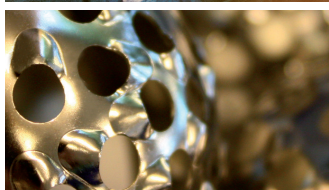


Novae[®] TH
range



Novae® range

SUNFIT TH



Novae® Concept

The dual mobility concept was invented in 1975 by Professor Gilles BOUSQUET and the engineer André RAMBERT, the founder of SERF.

The main focus of their work was to increase joint stability and reduce surface wear.

The system consists of a thin metal back cup into which a mobile polyethylene insert is fitted. This retentive insert, the distinctive geometry of which was patented in 1975, articulates around the prosthetic head. The result is a very stable implant that reproduces the natural anatomy and movement of the joint far more accurately than any other hip replacement system.

The dual mobility concept, which was considered ground-breaking at the time, has now been widely adopted.

E TH



COPTOS TH



STICK



Instrumentation

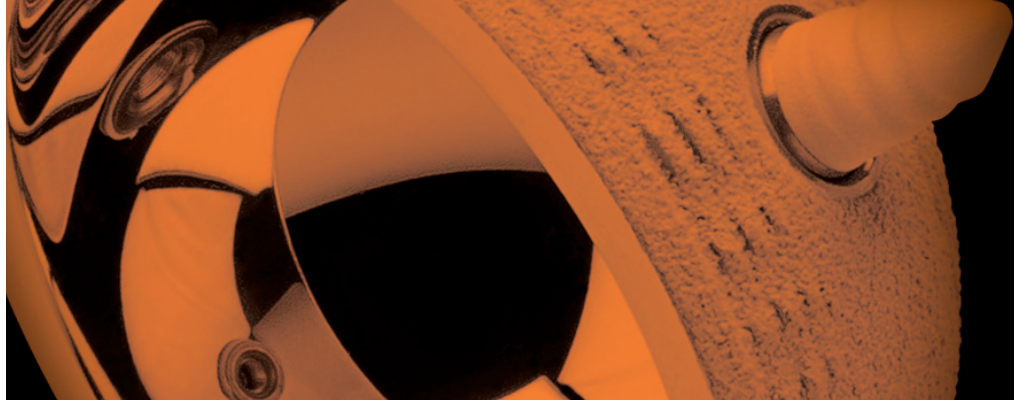
Reliable, precise and unique instrumentation suitable for all approaches.

A grip system common to the whole of the NOVAE® range.

Bibliography

A bibliography of publications covering more than thirty years is available on the website.

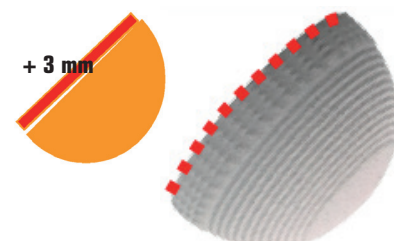




Internal Geometry of the Metal-back shell

High quality internal surface geometry and polish.

The 3-mm cylindrical extension plays a key role in prosthesis stability, considerably increasing the dislocation distance.

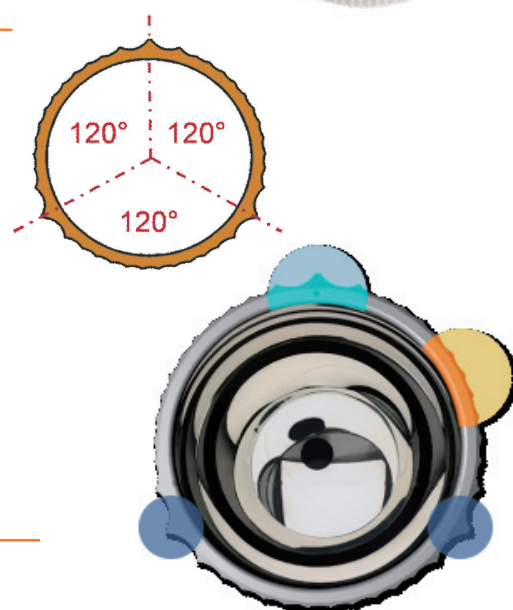


External Geometry of the Metal-back shell front

The front of the cup features three 120° areas.

A ridged pattern is arranged around three slightly higher (by several tenths of a millimetre) points, intended to be positioned opposite the ilium, pubis and ischium.

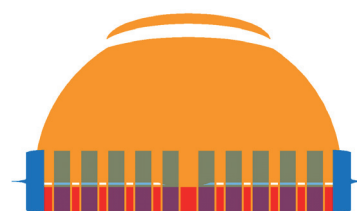
The series of ridges between these three higher points gradually decreases to create a perfect pressfit. The trough of these structures gives the cup's reference diameter.



External Geometry of the Metal-back shell from the equator to the pole area + 3mm

Volume, the thickness and height of which varies depending on the size of the cup, is added to the equatorial area by numerous ridges (circular spur-shaped grooves broken up by recesses, the base of which gives the cup's reference diameter).

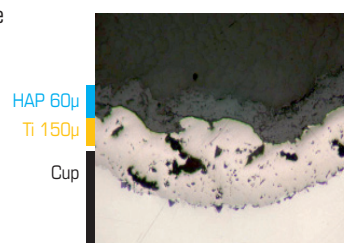
The gradual flattening out of the pole around a wide radius (up to 0.5mm) helps to absorb stress from the base of the cup at the time of final impaction.

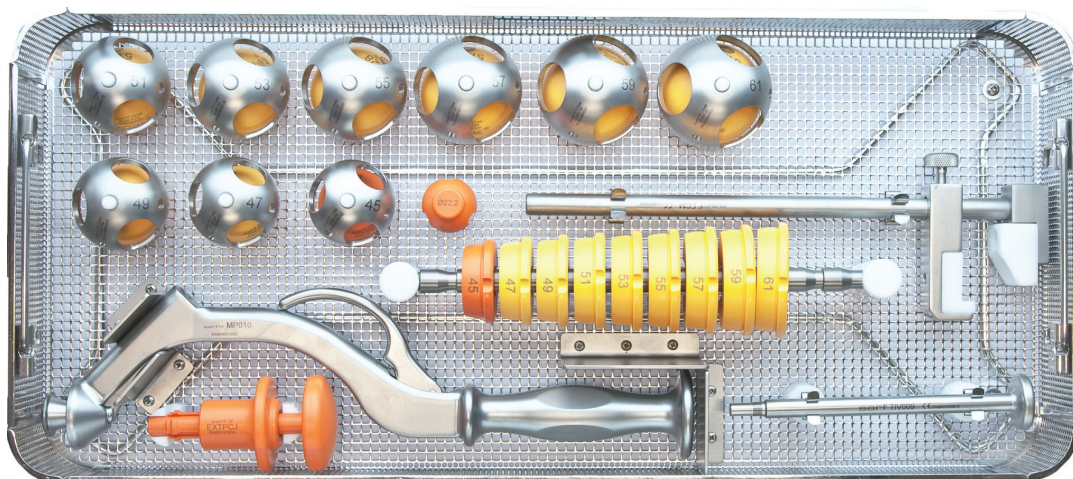
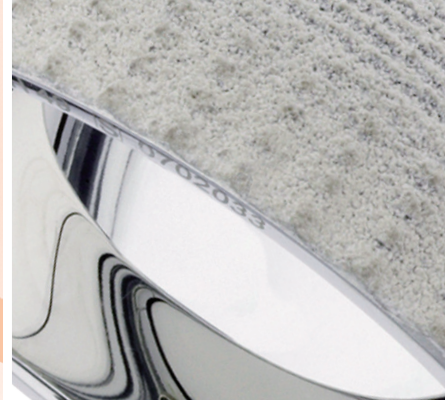


External Geometry of the Metal-back shell between the equator and the pole area

The intermediary area between the pressfit and the pole consists of grooves which contribute to secondary stability once bone in-growth has filled them.

The external surface of **NOVAE TH** cups is coated with both a titanium spray and a layer of hydroxyapatite. This dual coating strengthens its primary fixation stability and increases longevity.



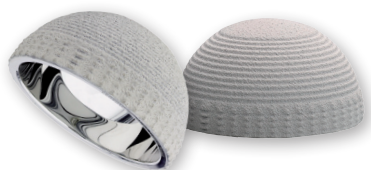


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SERF / Décines - France

References Range NOVAE



SUNFIT TH

DESCRIPTION	REFERENCE	RANGE
Non cemented modular acetabulum (without insert), press-fit stainless steel X18M25W (ISO 5832-1) bilayer coating (titanium and hydroxyapatite).	RM45320002	SUNFIT TH 43*
	RM45320003	SUNFIT TH 45
	RM45320004	SUNFIT TH 47
	RM45320005	SUNFIT TH 49
	RM45320006	SUNFIT TH 51
	RM45320007	SUNFIT TH 53
	RM45320008	SUNFIT TH 55
	RM45320009	SUNFIT TH 57
	RM45320010	SUNFIT TH 59
	RM45320011	SUNFIT TH 61
RM45320012	SUNFIT TH 63*	
RM45320013	SUNFIT TH 65*	



E TH

DESCRIPTION	REFERENCE	RANGE
Non cemented modular acetabulum (without insert). Stainless steel X18M25W (ISO 5832-1) ti + hap coating. A fixing flange.	RM45050001	NOVAE E 41 TH*
	RM45050002	NOVAE E 43 TH*
	RM45050003	NOVAE E 45 TH
	RM45050004	NOVAE E 47 TH
	RM45050005	NOVAE E 49 TH
	RM45050006	NOVAE E 51 TH
	RM45050007	NOVAE E 53 TH
	RM45050008	NOVAE E 55 TH
	RM45050009	NOVAE E 57 TH
	RM45050010	NOVAE E 59 TH
	RM45050011	NOVAE E 61 TH
	RM45050012	NOVAE E 63 TH*
	RM45050013	NOVAE E 65 TH*
	RM45020014	NOVAE E 67 TH*
	RM45050015	NOVAE E 69 TH*
	RM45050016	NOVAE E 71 TH*
	RM45050017	NOVAE E 73 TH*



CIE

DESCRIPTION	REFERENCE	RANGE
MASSIVE POLYMER MOBILE INSERT. 22.2 mm diameter. PE (ISO 5834-2)	RM51100001	*CI 41/22,2 E
	RM51100002	*CI 43/22,2 E
	RM51100003	CI 45/22,2 E
	RM51100004	CI 47/22,2 E
	RM51100005	CI 49/22,2 E
	RM51100006	CI 51/22,2 E
	RM51100007	CI 53/22,2 E
	RM51100008	CI 55/22,2 E
	RM51100009	CI 57/22,2 E
	RM51100010	CI 59/22,2 E
	RM51100012	CI 61/22,2 E
	RM51100013	*CI 63/22,2 E
	RM51100014	*CI 65/22,2 E
	RM51100015	*CI 67/22,2 E
	RM51100016	*CI 69/22,2 E
	RM51100017	*CI 71/22,2 E
	RM51100018	*CI 73/22,2 E
	MASSIVE POLYMER MOBILE INSERT. 28 mm diameter. PE (ISO 5834-2)	RM51100032
RM51100033		CI 49/28 E
RM51100034		CI 51/28 E
RM51100035		CI 53/28 E
RM51100036		CI 55/28 E
RM51100037		CI 57/28 E
RM51100038		CI 59/28 E
RM51100040		CI 61/28 E
RM51100041		*CI 63/28 E
RM51100042		*CI 65/28 E
RM51100043	*CI 67/28 E	
RM51100044	*CI 69/28 E	
RM51100045	*CI 71/28 E	
RM51100061	*CI 73/28 E	



COPTOS TH

DESCRIPTION	REFERENCE	RANGE
Non cemented reconstruction acetabulum (without insert) stainless steel X18M25W (ISO 5832-1). ti + hap coating. 2 fixing flanges and a hook.	RM45360001	COPTOS 43 TH*
	RM45360002	COPTOS 45 TH
	RM45360003	COPTOS 47 TH
	RM45360004	COPTOS 49 TH
	RM45360005	COPTOS 51 TH
	RM45360006	COPTOS 53 TH
	RM45360007	COPTOS 55 TH
	RM45360008	COPTOS 57 TH
	RM45360009	COPTOS 59 TH
	RM45360010	COPTOS 61 TH
	RM45360011	COPTOS 63 TH*
	RM45360012	COPTOS 65 TH*
	RM45360013	COPTOS 67 TH*
	RM45360014	COPTOS 69 TH*
	RM45360015	COPTOS 71 TH*
	RM45360016	COPTOS 73 TH*



STICK

DESCRIPTION	REFERENCE	RANGE
Cemented modular acetabulum (without insert) stainless steel X18M25W (ISO 5832-1)	RM49010000	NOVAE STICK 43*
	RM49010001	NOVAE STICK 45
	RM49010002	NOVAE STICK 47
	RM49010003	NOVAE STICK 49
	RM49010004	NOVAE STICK 51
	RM49010005	NOVAE STICK 53
	RM49010006	NOVAE STICK 55
	RM49010007	NOVAE STICK 57
	RM49010008	NOVAE STICK 59
	RM49010009	NOVAE STICK 61
	RM49010010	NOVAE STICK 63*










DESCRIPTION	REFERENCE	RANGE
Self-tapping cortical screws, 3.5mm hex diameter 5, stainless steel X18M25W (ISO 5832-1)	RM65150013	VCI 5 X 20
	RM65150015	VCI 5 X 25
	RM65150017	VCI 5 X 30
	RM65150019	VCI 5 X 35
	RM65150021	VCI 5 X 40
	RM65150046	VCI 5 X 45
	RM65150031	VCI 5 X 50
	RM65150047	VCI 5 X 55
	RM65150041	VCI 5 X 60
	RM65150048	VCI 5 X 65
RM65150049	VCI 5 X 70	

* On specific request

Novae® TH

The range

On request

	Novae® SunFit TH	43 45 47 49 51 53 55 57 59 61 63 65 67 69
	Novae® Evolution TH	41 43 45 47 49 51 53 55 57 59 61 63 65 67 69
	Novae® Coptos TH	43 45 47 49 51 53 55 57 59 61 63 65 67 69
	Novae® Stick	43 45 47 49 51 53 55 57 59 61 63
	Novae® K E	50 52 54 56 58 60 Left 50 52 54 56 58 60 Right
	Novae® Arm	Made to measure
	Insert 22.2	41 43 45 47 49 51 53 55 57 59 61 63 65 67 69
	Insert 28	47 49 51 53 55 57 59 61 63 65 67 69
	Insert 32	51 53 55 57 59 61 63 65 67 69

Materials

Metalback shells

Stainless steel X18M25
ISO 5832-1

Coatings

Spray titane Ti
ISO 5832-2

Insert

UHMWPE
ISO 5834-2

Novae® K E cross

Stainless steel X18M25 - ISO 5832-1
Spacers PMMA - ISO 5833

HA
ISO 13779-4

Cortical screws diameter 5mm

Stainless steel X18M25
ISO 5832-1