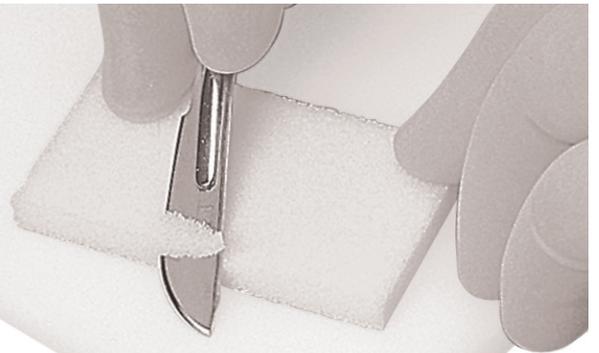


MEDPOR[®]

Oculoplastic surgery



MEDPOR[®] biomaterial

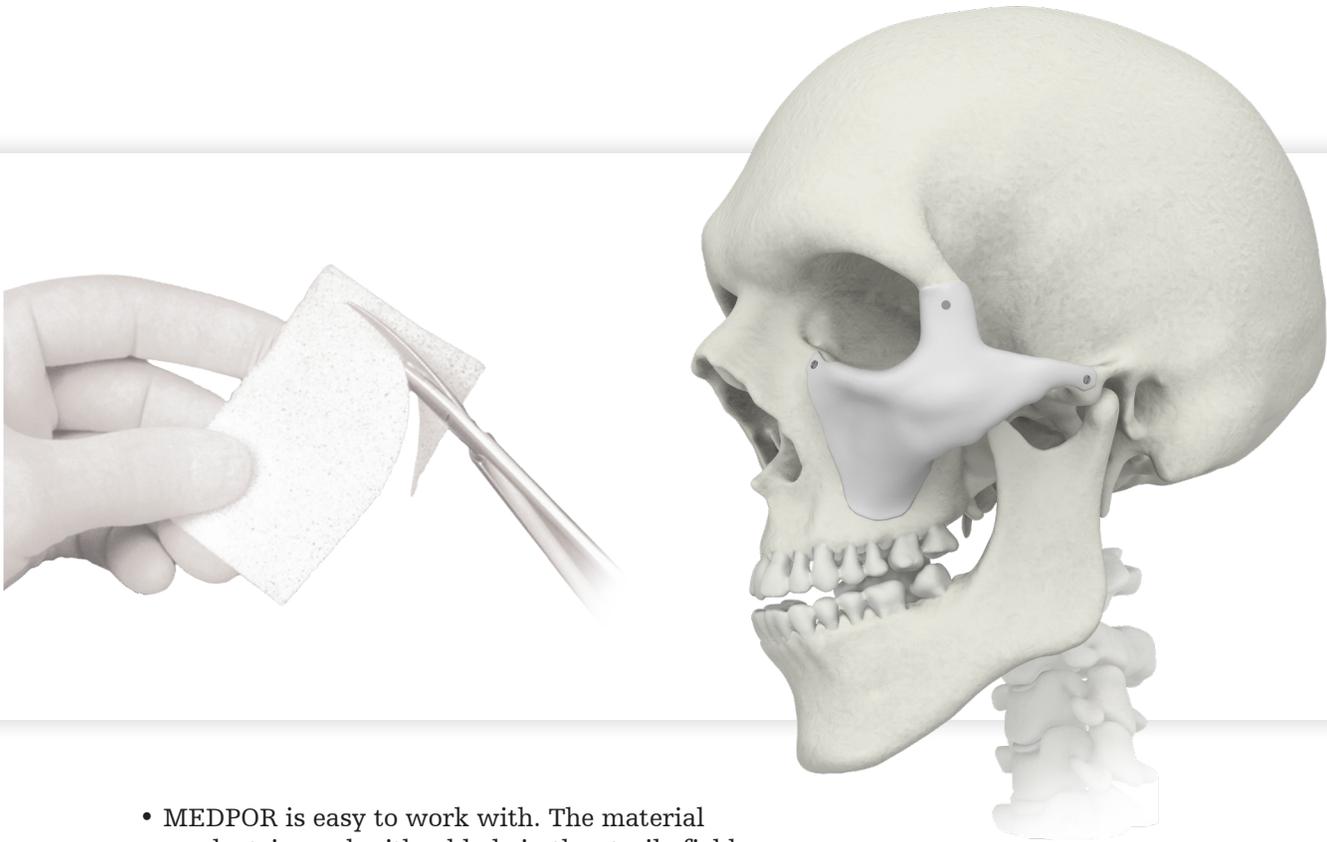


MEDPOR has been a trusted name in the industry since 1985, with hundreds of thousands of procedures performed, and hundreds of published clinical reports in reconstructive, cranial, Oculoplastic surgery, and cosmetic applications.

Our MEDPOR product line provides you an array of porous polyethylene solutions for your reconstruction and augmentation needs. We understand that biocompatibility characteristics of implants are paramount to help surgeons achieve positive patient outcomes. The omni-directional pore structure of our polyethylene implants may increase implant acceptance by allowing the patient's native tissue to integrate with the implant. In addition to our comprehensive line of stock MEDPOR implants, we offer CT-based patient specific implants, putting the implant design in your hands.

30+

years of proven
clinical history



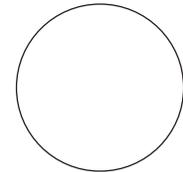
- MEDPOR is easy to work with. The material can be trimmed with a blade in the sterile field, carved and feathered intra-operatively for an excellent final fit.
- No pre-placing of fixation plates. MEDPOR can be easily drilled and fixated and is designed to accept screws and plates without cracking, giving the surgeon more flexibility in fixation options and placement.
- MEDPOR surgical implants can be cut with a variety of surgical instruments. Implants may require fitting to the defect area at the time of surgery. The implant edges can be delicately shaped and feathered for a smooth transition from the implant to the patient's own bony contour.
- MEDPOR surgical implants are provided sterile and should not be resterilized.
- Do not place or carve the implant on surgical drapes, surgical clothing or any other surface that may contaminate the implant with lint and other particulate matter.

MEDPOR Oculoplastic surgery

Spheres



MEDPOR spheres provide surgeons with porous, biocompatible materials for orbital reconstruction following enucleation and evisceration procedures. The interconnecting, omni-directional pore structure of the MEDPOR biomaterial may allow for vascularization and soft tissue ingrowth. Healthy extra-ocular muscles can be sutured directly to the implant or to an overlying tissue wrap.



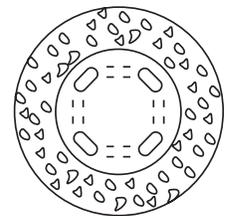
SPHERES

CAT#	Description	Size (mm) diameter
6316	Sphere	14
6326	Sphere	16
6327	Sphere	18
6317	Sphere	20
6322	Sphere	22

Smooth Surface Tunnel spheres (SST-EZ)



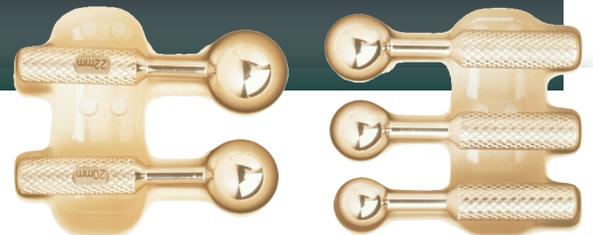
Smooth Surface Tunnel (SST-EZ) spheres have a smooth, porous anterior surface and suture tunnels to allow easy rectus muscle attachment without the use of an implant wrap. The redesigned suture holes and curved tunnels of the new MEDPOR SST-EZ may allow for easier insertion of ophthalmic needles typically used to attach the extra-ocular muscles to the implant. Both suture arms from one muscle are passed through each tunnel. Each muscle end can be drawn to within 3mm of the implant anterior apex or allowed to hang back at the desired attachment location.



CAT#	Description	Size (mm)
80008	SST-EZ sphere	16
80010	SST-EZ sphere	18
80012	SST-EZ sphere	20
80014	SST-EZ sphere	22

Orbital volume sizer set

The orbital volume sizer set makes it easy to evaluate post-enucleation orbital volume to select the appropriate size implant. The set contains five (5) sizes of stainless steel spheres with attached handles that are assembled in a convenient sterilizable tray.



CAT#	Description	Size (mm)
9805	Sizer set with tray	14, 16, 18, 20, 22

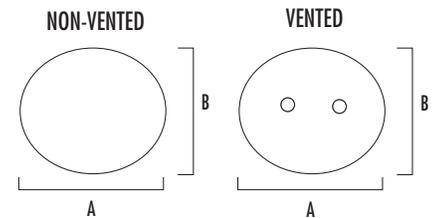
Ocular conformers

Ocular conformers are designed to be used after surgery to prevent closure or adhesions during the healing process. Conformers are small, acrylic-cup shaped devices whose inner surfaces are shaped to approximate the curvature of the orbit. MEDPOR Ocular conformers are supplied sterile in both vented and non-vented styles.



CAT#	Description	A (mm)	B (mm)	Thickness
------	-------------	--------	--------	-----------

9547	Non-vented - small	22	19	4.4
9548	Non-vented - medium	24	21	5.3
9549	Non-vented - large	25	22	5.6
9778	Vented - small	22	19	4.4
9779	Vented - medium	24	21	5.3
9780	Vented - large	25	22	5.6



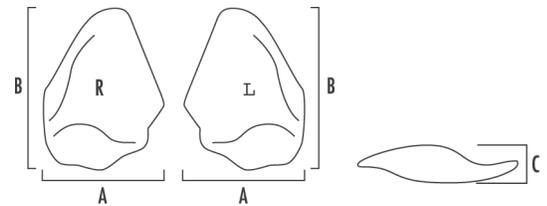
Enophthalmos wedge

The MEDPOR enophthalmos wedge mimics the contour of the orbital floor and is designed to provide volume to restore the orbit to its normal shape and size.



CAT#	Description	A (mm)	B (mm)	Thickness
------	-------------	--------	--------	-----------

9541	Regular - left	22	31	7.00
9542	Regular - right	22	31	7.00
9543	Large - left	28	40	7.50
9544	Large - right	28	40	7.50



MEDPOR Oculoplastic surgery

ENDURAGen®



Collagen implant designed for use as a soft tissue patch to reinforce soft tissue where weakness exists and for the surgical repair of damaged or ruptured soft tissue membranes in plastic and reconstructive surgery of the face and head.

Biomaterial for excellent results

Cross-linked - ENDURAGen biomaterial is made up of acellular cross-linked porcine dermal collagen with its constituent elastin fibers.¹

Structural architecture - collagen matrix has a structural architecture comparable to human tissue, which may offer a natural scaffold for fibroblast infiltration and vascularization.¹

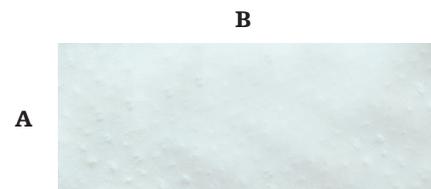
Tough but flexible - readily conforms to anatomical shapes and may provide surgeons with the flexibility to meet their patient's individual requirements; may be cut, shaped and sutured.

Long-lasting - the enzymatic digestion and cross-linking manufacturing process makes ENDURAGen Implants resistant to breakdown and absorption, potentially allowing the surgeon to effect a durable repair or reconstruction for soft tissue contouring and/or reinforcement procedures.¹

Moist - implants are supplied sterile in double wrapped, heat sealed packet and require no hydration prior to use.

Uniform - consistent thickness throughout the implant.

CAT#	Thickness (mm)	A (cm)	B (cm)
89221	0.50	2	5
89223	1.00	1	4
89224	1.00	2	5
89225	1.00	3	8



Actual size
2cm x 5cm x 0.5mm

MEDPOR TITAN[®]

Combines high-density polyethylene and titanium mesh in a single implant for increased flexibility, shape retention, radiographic visualization and strength².

Configurations

MTM

Titanium mesh embedded within porous, high-density polyethylene.

MTB

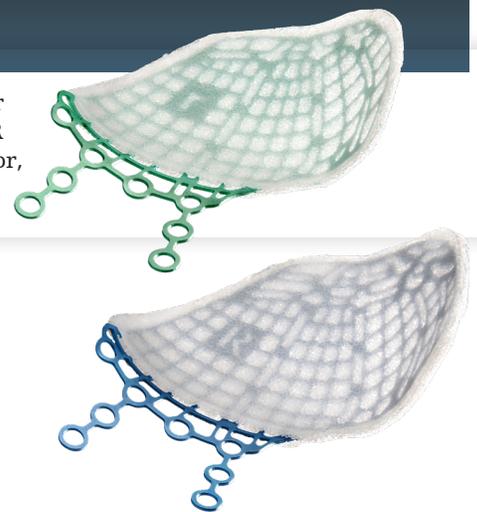
Titanium mesh embedded within a porous polyethylene matrix with a solid, barrier surface on one side, potentially allowing for fibrovascular ingrowth only on the porous side of the implant.

BTB

Titanium mesh embedded within solid, non-porous high-density polyethylene. The smooth barrier surface can prevent fibrovascular ingrowth.

3D Orbital floor

Implants designed using CT-scan data to approximate the anatomy of the orbital floor & medial wall to enhance the effectiveness and efficiency of reconstruction. MEDPOR coating minimizes sharp edges even if the plates require modification, and the superior, non-porous barrier side helps prevent tissue ingrowth along the aspect of the globe.

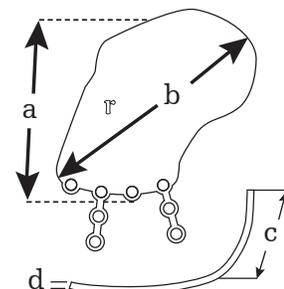


Catalog # Description

Catalog #	Description
81041	MEDPOR TITAN 3D Orbital floor, MTB left small
81042	MEDPOR TITAN 3D Orbital floor, MTB right small
81043	MEDPOR TITAN 3D Orbital floor, MTB left large
81044	MEDPOR TITAN 3D Orbital floor, MTB right large
01-01820	Plate holding forcep

Plate A B C D

Plate	A	B	C	D
Large L/R	36mm (1.4 in.)	37mm (1.4 in.)	17mm (0.6 in.)	1.2mm
Small L/R	32mm (1.2 in.)	35mm (1.4 in.)	13mm (0.5 in.)	1.2mm



MEDPOR Oculoplastic surgery

TITAN Orbital Floor and Wall (OFW)

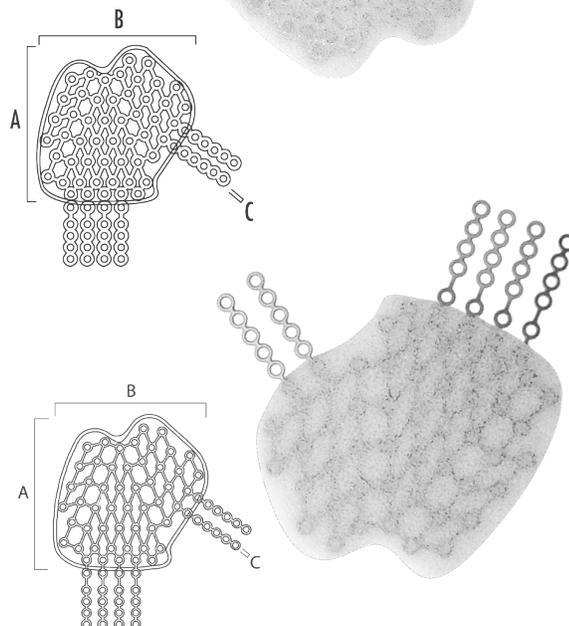
US Patent 7,655,047

CAT#	Description	A (mm)	B (mm)	C (mm)	Thickness
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81034	MAX MTM	42	41	1.0	0.85
81035	MAX MTB - Left	42	41	1.0	1.0
81036	MAX MTB - Right	42	41	1.0	1.0

CAT#	Description	A (mm)	B (mm)	C (mm)	Thickness
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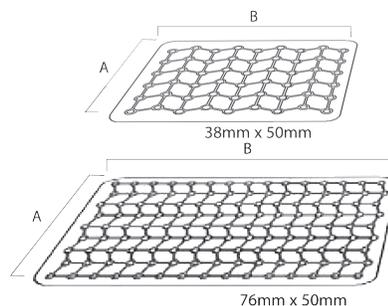
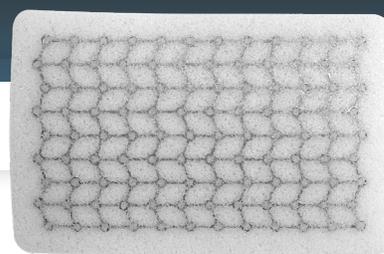
81030	MTM	42	41	0.5	0.85
81031	MTB - Left	42	41	0.5	1.0
81032	MTB - Right	42	41	0.5	1.0
81033	BTB	42	41	0.5	0.6



TITAN implants

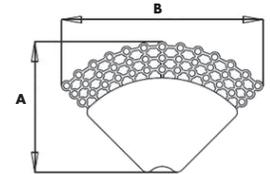
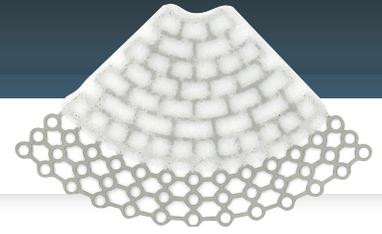
CAT#	Description	A (mm)	B (mm)	Thickness
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81020	MTM	50	76	0.85
81021	MTM	38	50	0.85
81022	MTM	38	50	1.50
81023	MTM	50	76	1.50
81024	BTB	38	50	0.60
81025	BTB	50	76	0.60
81026	MTB	38	50	1.00
81027	MTB	50	76	1.00
81028	MTB	38	50	1.60
81029	MTB	50	76	1.60



TITAN fan

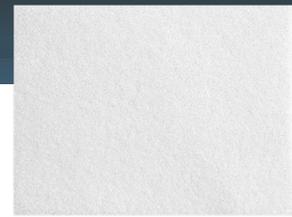
Available in two configurations, with or without a BARRIER



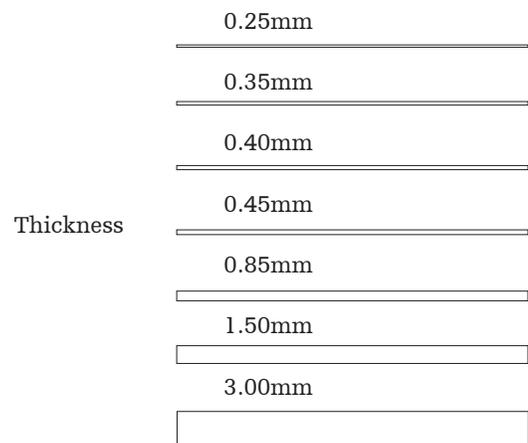
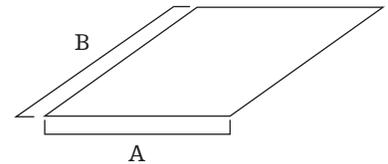
CAT#	Description	A (mm)	B (mm)	Thickness
81049	MTM	40	61	0.85
81050	MTB	40	61	1.00

Sheets

MEDPOR biomaterial sheets provide the surgeon with options for craniofacial reconstruction and augmentation.



CAT#	Description	A (mm)	B (mm)	Thickness
83020	Micro thin sheet	38	50	0.25
83022	Micro thin sheet	38	50	0.35
8438	Micro thin sheet	30	50	0.40
83029	Micro thin sheet	38	50	0.45
83030	Micro thin sheet	50	76	0.45
7210	Ultra thin sheet	38	50	0.85
7212	Ultra thin sheet	50	76	0.85
7214	Ultra thin sheet	76	127	0.85
6330	Sheet	38	50	1.50
6331	Sheet	50	76	1.50
8662	Sheet	76	127	1.50
9562	Sheet	38	50	3.00

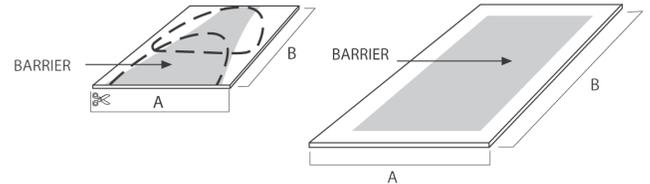


MEDPOR Oculoplastic surgery

BARRIER sheets



CAT#	Description	A (mm)	B (mm)	Thickness
8305	Orbital floor implant	38	50	1.00
9305	Orbital floor implant	38	50	1.60
8312	Rectangle	50	76	1.00
9312	Rectangle	50	76	1.60

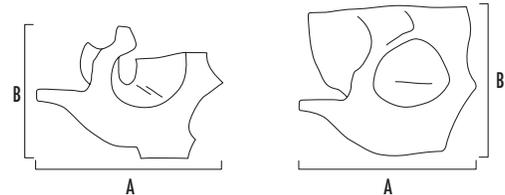


Complete and 2/3 orbit shapes

Complete and inferior 2/3 orbit implants are designed to replace non-load bearing, bony structures of the orbital area. Complete and 2/3 orbits are typically carved with a blade or scissors to fit the patient's defect and fixed with sutures, wires or craniofacial screws and plates.



CAT#	Description	A (mm)	B (mm)
9567	Inferior 2/3 orbit - left	108	75
9568	Inferior 2/3 orbit - right	108	75
9569	Complete orbit - left	93	75
9570	Complete orbit - right	93	75

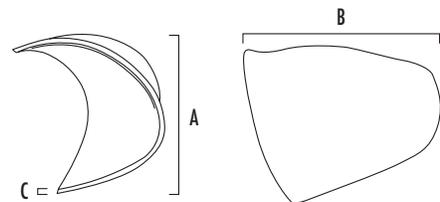


Orbito-Zygomatic (OZ)

The MEDPOR Orbito-Zygomatic (OZ) implant is designed for reconstruction of the superior and lateral surfaces of the orbital roof.



CAT#	Description	A (mm)	B (mm)	C (mm)
81013	Left	33	38	0.80
81014	Right	33	38	0.80



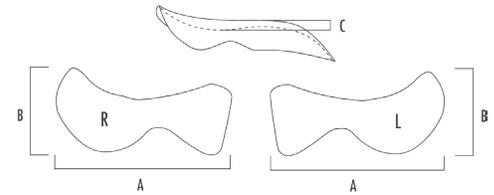
MEDPOR Oculoplastic surgery

Inferior orbital rim

The MEDPOR inferior orbital rim implant can provide up to 5mm of anterior projection and is designed to be trimmed to meet the needs of the individual patient. A small flange allows it to rest on the most anterior aspect of the orbital floor. This flange allows for positioning of the implant and a possible area for screw fixation to the skeleton.



CAT#	Description	A (mm)	B (mm)	C (mm)
9429	Inferior orbital rim - left	43	18	3.2
9430	Inferior orbital rim - right	43	18	3.2

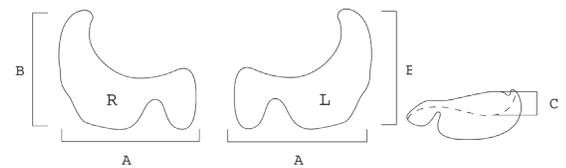


Extended orbital rim implants

MEDPOR extended orbital rim implants are designed to provide the surgeon with an option for augmenting the inferior rim.



CAT#	Description	A (mm)	B (mm)	C (mm)
9539	Orbital rim - extended left	47	40	6.3
9540	Orbital rim - extended right	47	40	6.3



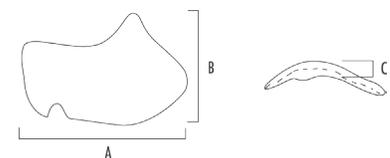
Midface contour implant

The MEDPOR midface contour implant is designed to aid in reconstruction or augmentation of the midface. The shell-type design of the implant allows the surgeon to carve portions of the implant most appropriate for each patient.

The MEDPOR Midface contour implant is packaged with a sterile silicone template.



CAT#	Description	A (mm)	B (mm)	C (mm)
83007	Midface contour implant - left	60	40	4
83008	Midface contour implant - right	60	40	4
92-83007	Midface contour implant - left	65	41	4
92-83008	Midface contour implant - right	65	41	4

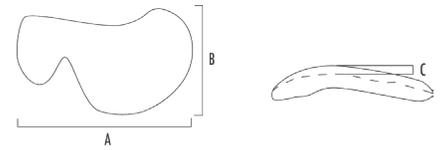


Midface rim



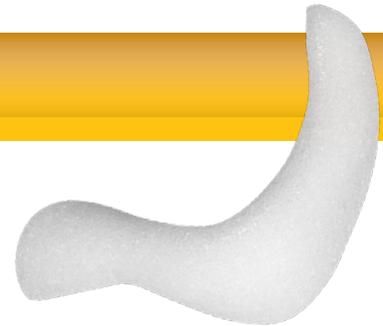
The MEDPOR midface rim is designed to augment areas of bony concavities of the midface, including the inferior orbital rim and malar.

CAT#	Description	A (mm)	B (mm)	C (mm)
83003	Midface rim - left	47	28	3
83004	Midface rim - right	47	28	3

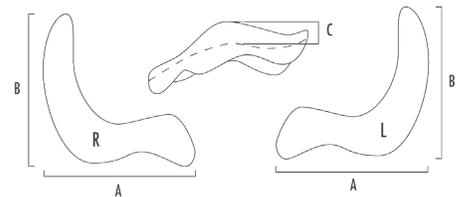


Orbital rim onlay implants

The MEDPOR orbital rim onlay implants are designed to augment the inferior and lateral orbital rims and increase the anterior rim projection.



CAT#	Description	A (mm)	B (mm)	C (mm)
81001	Orbital rim onlay - left	40	40	8.45
81002	Orbital rim onlay - right	40	40	8.45

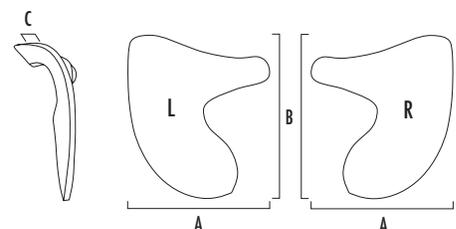


Inferior Medial Orbital Rim Implant (IMORI)

The MEDPOR Inferior Medial Orbital Rim Implant (IMORI) is designed to wrap over the inferior orbital rim and extend superiorly and inferiorly medial to the inferior orbital nerve.



CAT#	Description	A (mm)	B (mm)	C (mm)
87003	Inferior medial orbital rim - left	25	26	2.50
87004	Inferior medial orbital rim - right	25	26	2.50



MEDPOR Oculoplastic surgery

Individual designed implants

MEDPOR implants are built from patient CT data and offer you the ability to design an implant that fits your patients re-constructive or augmentation needs.

Each MEDPOR implant kit contains two (2) identical sterile implants and one (1) sterile host bone model (defect area). The host bone model is provided as a preoperative guide to demonstrate orientation and fit of the customized implant(s).

Facial iD[®] - Reconstruction and augmentation

CAT#	Description
54440110	MEDPOR patient specific - small
54440210	MEDPOR patient specific - medium
54440310	MEDPOR patient specific - large
54440410	MEDPOR patient specific - XL
54440510	MEDPOR patient specific midface
54440710	MEDPOR patient specific midface augmentation

Craniomaxillofacial

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References:

- 1: "ENDURAGen Collagen Implant - Ideal Biomaterial for Ideal Results" Tissue Science Laboratories Manufacturer's Technical Statement, pp2 and 5, 2005.
- 2: Holck, D., Foster J., and Dahl T., "Custom Shaped Porous Polyethylene-Titanium Mesh Orbital Implants for Internal Orbital Floor/Medial-Wall Fracture Repair"

Stryker Craniomaxillofacial
Kalamazoo, MI 49002 USA
t: 269 389 5346
toll free: 800 962 6558
f: 877 648 7114

stryker.com/cmfb