Anatomics®

Quality Surgical Solutions

StarPore®

Facial Implants

Off-the-Shelf

Material: Porous Polyethylene

Description: Porous architecture, biologically inert

StarPore® implants are an advanced polymer tissue scaffold indicated for the repair or augmentation of contours in the skull and face. Made from clinically proven porous polyethylene (HDPE), animal studies have shown StarPore® implants allow for rapid infiltration of highly vascular tissue, which may assist in implant anchoring and more viable hard and soft tissue near the implant[1]. Anatomics offers a range of standard shapes that provide convenient and affordable off-the-shelf options.

Tissue integration

Permits adhesion and integration of the soft tissue and may stabilise the implant[2]

Radiolucent

CT and MRI compatibility for post-operative imaging

Simple Fixation

Fixation with mini-plates and screws and no need to pre-drill holes

Suture

Ability to suture soft tissue to the implant intraoperatively

Intra-operative Flexibility

Perform minor modifications easily with a scalpel or surgical scissors

Pre-Soak

Prior to surgery, the implants can be soaked in antibiotic or antiseptic liquid[3]

Will Not Crack

Unlike other porous implants, no cracking when drilling, screwing or modifying the implant[4]

References
1) Data on File: SORL Study 2017 - In vivo evaluation StarPore porous polyethylene implants at 4 & 12 weeks
2) Paxton, NC, et al. Biomedical applications of polyethylene. European Polymer Journal 118 (2019): 412-428.
3) Keefe MS., Keefe MA. An evaluation of the effectiveness of different techniques for intraoperative infiltration of antibiotics into alloplastic implants for use in facial reconstruction. Arch Facial Plast Surg. 2009 Jul-Aug;11(4):246-51. doi:0.1001/arch-facial.2009.45.
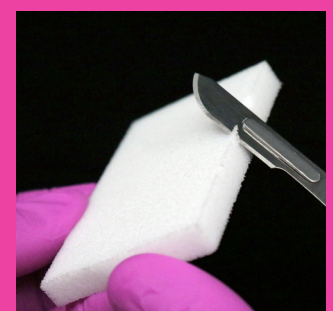4) Data on File: DF-73-01-3-R StarPore Usability Validation Report

Facial Applications   ACDC-06-55 R2
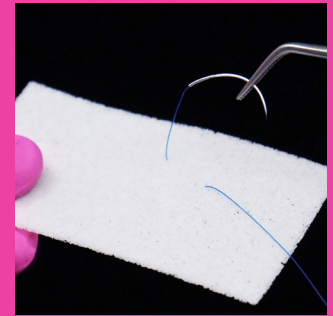
SUTURE

BEND

DRILL

MODIFY

Orbital Implants
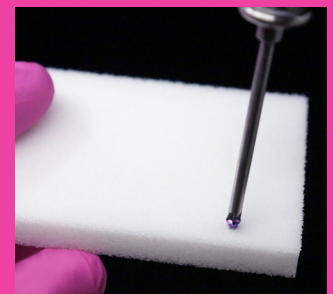
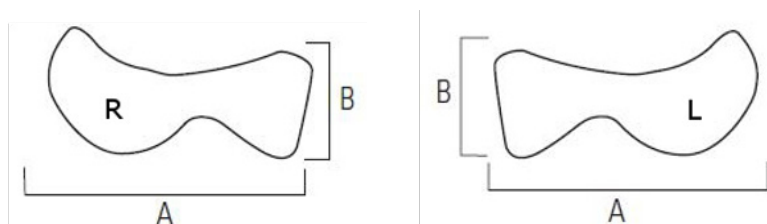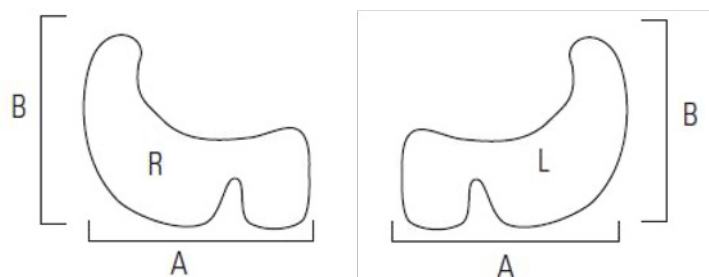## Inferior Orbital Rim

The Inferior Orbital Rim can provide additional anterior projection to the patient's inferior orbital rim for a range of reconstructive and augmentation applications. The StarPore® material can be easily modified intraoperatively to individual patient needs.

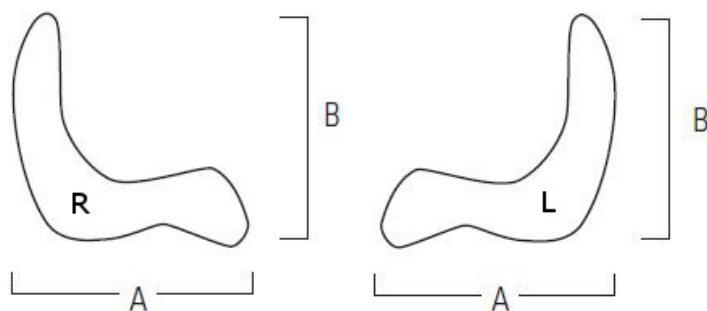| CODE	DESCRIPTION	A	B	Anterior Projection
SP-16001	StarPore® Inferior Orbital Rim - Left	42	17.5	3.5
SP-16002	StarPore® Inferior Orbital Rim - Right	42	17.5	3.5

Extended Orbital Rim

The Extended Orbital Rim offers a larger orbital rim implant giving greater flexibility in orbital rim coverage, particularly on the lateral aspect with needed anterior projection.

| CODE	DESCRIPTION	A	B	Anterior Projection
SP-16003	StarPore® Extended Orbital Rim - Left	47	40	8.5
SP-16004	StarPore® Extended Orbital Rim - Right	47	40	8.5

Orbital Rim Onlay

The Orbital Rim Onlay targets the lateral and inferior orbital rims while increasing anterior projection in this area. The StarPore® material can easily be modified intraoperatively.

CODE	DESCRIPTION	A	B	Anterior Projection
SP-16005	StarPore® Orbital Rim Onlay - Left	40	40	8.5
SP-16006	StarPore® Orbital Rim Onlay - Right	40	40	8.5

Orbital Implants

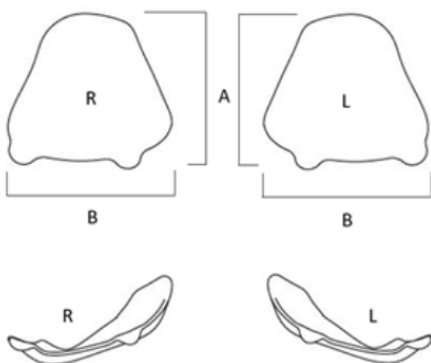## Orbital Floor & Wall - Small

The Small Orbital Floor & Wall has been specifically designed to the precise anatomical shape of the orbital floor and partial medial wall. StarPore® has a unique star shaped particle that allows for screw placement close to the margin of the implant without the risk of fracture. Fixation of this implant is simple with the two small anterior fixation lugs built into the implant.
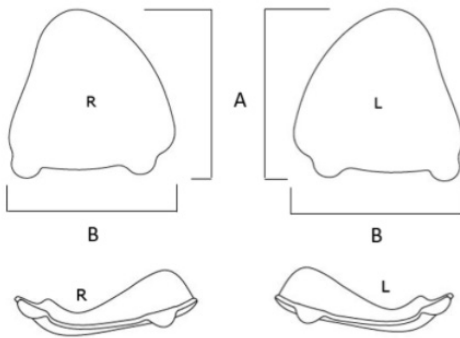
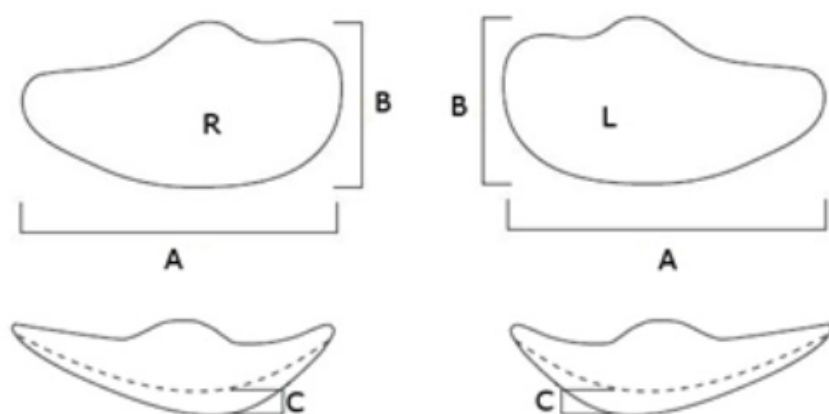| CODE	DESCRIPTION	A	B
SP-16007	StarPore® Orbital Floor & Wall - Left (Small)	33	33
SP-16008	StarPore® Orbital Floor & Wall - Right (Small)	33	33

Orbital Floor & Wall - Large

The Large Orbital Floor & Wall has been specifically designed to the precise anatomical shape of the orbital floor and large section of medial wall. StarPore® has a unique star shaped particle that allows for screw placement close to the margin of the implant without the risk of fracture. Fixation of this implant is simple with the two small anterior fixation lugs built into the implant.

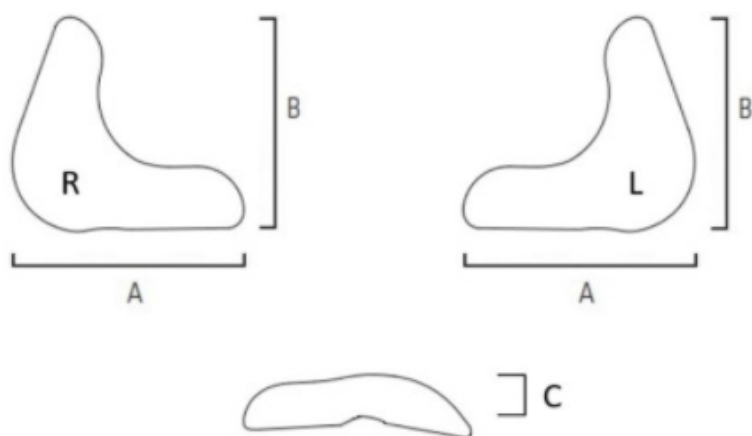| CODE	DESCRIPTION	A	B
SP-16009	StarPore® Orbital Floor & Wall - Left (Large)	33	37
SP-16010	StarPore® Orbital Floor & Wall - Right (Large)	33	37

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Extended Malar

The Extended Malar is available in a range of sizes to reconstruct and add volume with natural anatomical contour to the malar bone. The unique star shaped particle in StarPore® allows for easy intraoperative modification and screw placement close to the margin on the implant without the need for pre-drilled holes.

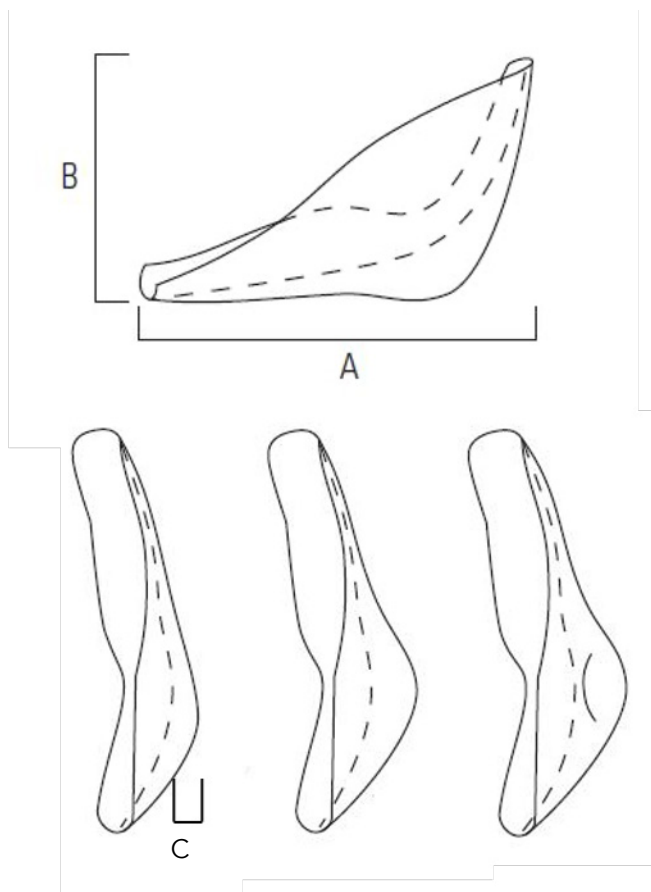| CODE	DESCRIPTION	A	B	C
SP-16011	StarPore® Extended Malar - Left (Small)	45	24	3
SP-16012	StarPore® Extended Malar - Right (Small)	45	24	3
SP-16013	StarPore® Extended Malar - Left (Medium)	50	26	4
SP-16014	StarPore® Extended Malar - Right (Medium)	50	26	4
SP-16015	StarPore® Extended Malar - Left (Large)	55	27	5
SP-16016	StarPore® Extended Malar - Right (Large)	55	27	5
SP-16017	StarPore® Extended Malar - Left (X-Large)	60	28	6
SP-16018	StarPore® Extended Malar - Right (X-Large)	60	28	6

Midface Implants

Paranasal

The Paranasal implant comes in two sizes for patients who lack volume in the paranasal area. The implants are ideal for augmentation in underdeveloped maxilla and loss of soft tissue due to the ageing process.

CODE	DESCRIPTION	A	B	C
SP-16019	StarPore® Paranasal - Left (Small)	28	26	4
SP-16020	StarPore® Paranasal - Right (Small)	28	26	4
SP-16021	StarPore® Paranasal - Left (Medium)	28	26	6
SP-16022	StarPore® Paranasal - Right (Medium)	28	26	6

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Mandibular Implants

Lateral Mandible Angle

The Mandibular Angle has been anatomically contoured to augment the posterior and inferior borders of the mandibular angle. The design wraps around the borders to form a snug fit.

CODE	DESCRIPTION	A	B	C
SP-16023	StarPore® Mandibular Angle - Left (Small)	65	35	3
SP-16024	StarPore® Mandibular Angle - Right (Small)	65	35	3
SP-16025	StarPore® Mandibular Angle - Left (Medium)	65	35	7
SP-16026	StarPore® Mandibular Angle - Right (Medium)	65	35	7
SP-16027	StarPore® Mandibular Angle - Left (Large)	65	35	11
SP-16028	StarPore® Mandibular Angle - Right (Large)	65	35	11

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Mandibular Implants

Mandible Onlay

The Mandibular Onlay has been precisely anatomically contoured to augment the lateral projection of the mandible at the posterior edge. The implant is provided in a range of sizes to augment up to 10mm lateral projection.
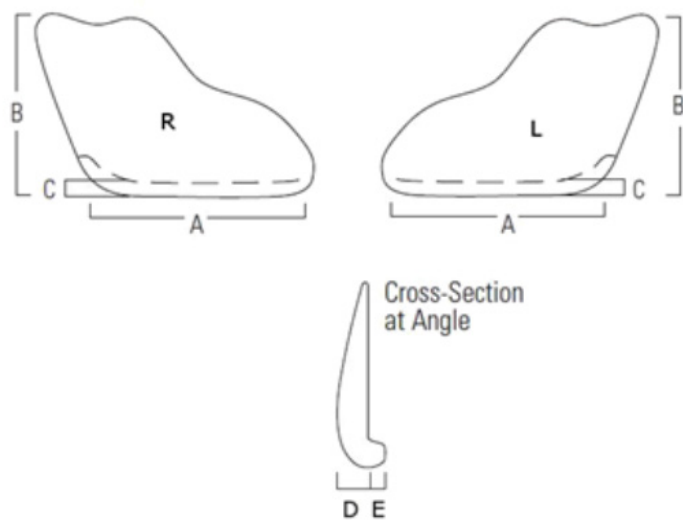
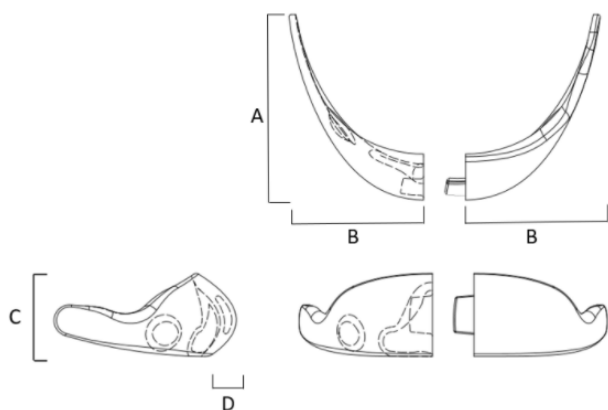| CODE	DESCRIPTION	A	B	C	D	E
SP-16029	StarPore® Mandible Onlay - Left (Small)	57	37	3	5	3
SP-16030	StarPore® Mandible Onlay - Right (Small)	57	37	3	5	3
SP-16031	StarPore® Mandible Onlay - Left (Medium)	68	40	4	10	4
SP-16032	StarPore® Mandible Onlay - Right (Medium)	68	40	4	10	4

Chin Implants

Round 1-Piece Chin

The Round 1-Piece Chin comes in three sizes to suit individual patient needs and is designed to augment the shape of the chin and provide anterior projection.
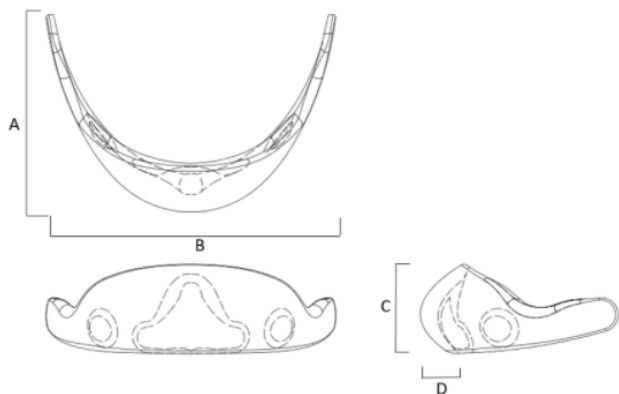
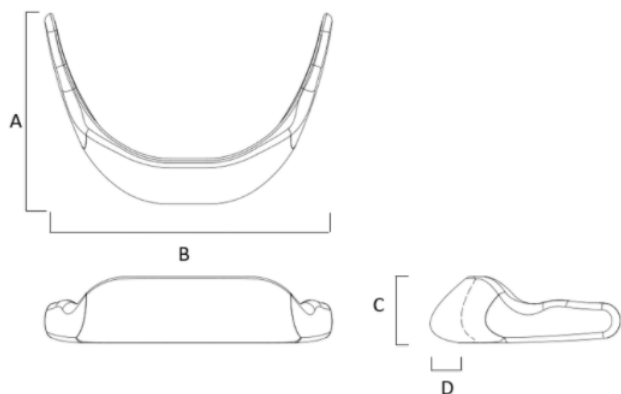| CODE	DESCRIPTION	A	B	C	D
SP-16033	StarPore® Round 1-Piece Chin - (Small)	37	60	17.5	5
SP-16034	StarPore® Round 1-Piece Chin - (Medium)	41	60	18.5	7
SP-16035	StarPore® Round 1-Piece Chin - (Large)	45	60	19.5	9

Round 2-Piece Chin

The Round 2-Piece Chin allows for easier placement and insertion of the implant in two separate pieces. The surgeon then connects the two pieces of the implant together in-situ to ensure correct alignment.

CODE	DESCRIPTION	A	B	C	D
SP-16036	StarPore® Round 2-Piece Chin - (Small)	37	30	17.5	5
SP-16037	StarPore® Round 2-Piece Chin - (Medium)	41	30	18.5	7
SP-16038	StarPore® Round 2-Piece Chin - (Large)	45	30	19.5	9

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Chin Implants

Square 1-Piece Chin

The Square 1-Piece Chin comes in three sizes to suit individual patient needs and is designed to augment the shape of the chin and provide anterior projection.

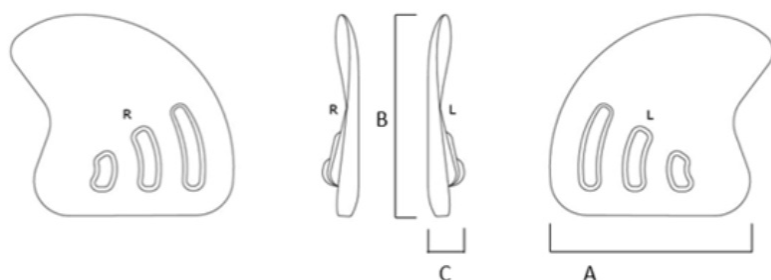| CODE	DESCRIPTION	A	B	C	D
SP-16039	StarPore® Square 1-Piece Chin - (Small)	39	65	14	5
SP-16040	StarPore® Square 1-Piece Chin - (Medium)	43	65	15	7
SP-16041	StarPore® Square 1-Piece Chin - (Large)	47	65	16	9

Square 2-Piece Chin

The Square 2-Piece Chin allows for easier insertion of the implant in two separate pieces. The surgeon then connects the two pieces of the implant together in-situ to ensure correct alignment.
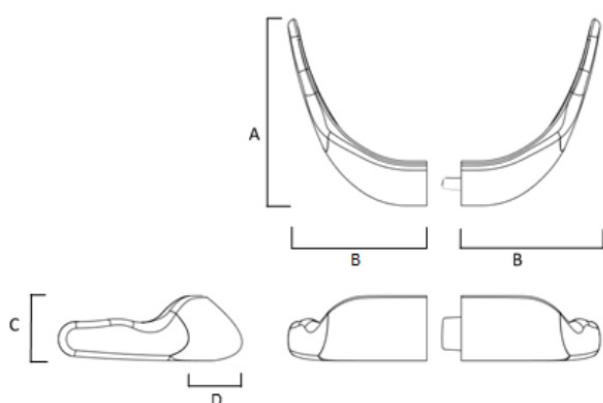
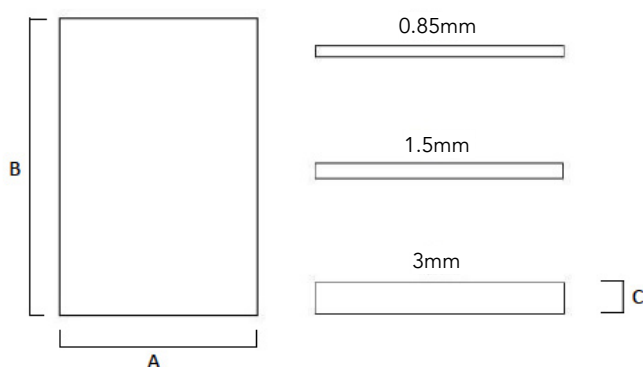| CODE	DESCRIPTION	A	B	C	D
SP-16042	StarPore® Square 1-Piece Chin - (Small)	39	32.5	14	5
SP-16043	StarPore® Square 1-Piece Chin - (Medium)	43	32.5	15	7
SP-16044	StarPore® Square 1-Piece Chin - (Large)	47	32.5	16	9

Other Implants

Pterional

The Pterional Implant has been designed to correct temporal hollowing caused by wasting of the temporalis muscle following the pterional surgical approach to the brain. The implant is supplied in standard left and right-side shapes and is easily modifiable intra-operatively. The implant has modifiable fins to allow for customisation of lateral extension. It is screwed directly onto the skull in the desired position.

CODE	DESCRIPTION	A	B	C
SP-16045	StarPore® Pterional - Left	50	45	8
SP-16046	StarPore® Pterional - Right	50	45	8

Standard Shapes - Sheets

A range of standard sheet sizes are available to offer the surgeons complete flexibility in both reconstruction and augmentation procedures.

CODE	DESCRIPTION	A	B	C
SP-16047	StarPore® Sheet 0.85	50	75	0.85
SP-16048	StarPore® Sheet 1.5	50	75	1.5
SP-16049	StarPore® Sheet 3.0	50	75	3

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ISO 13485