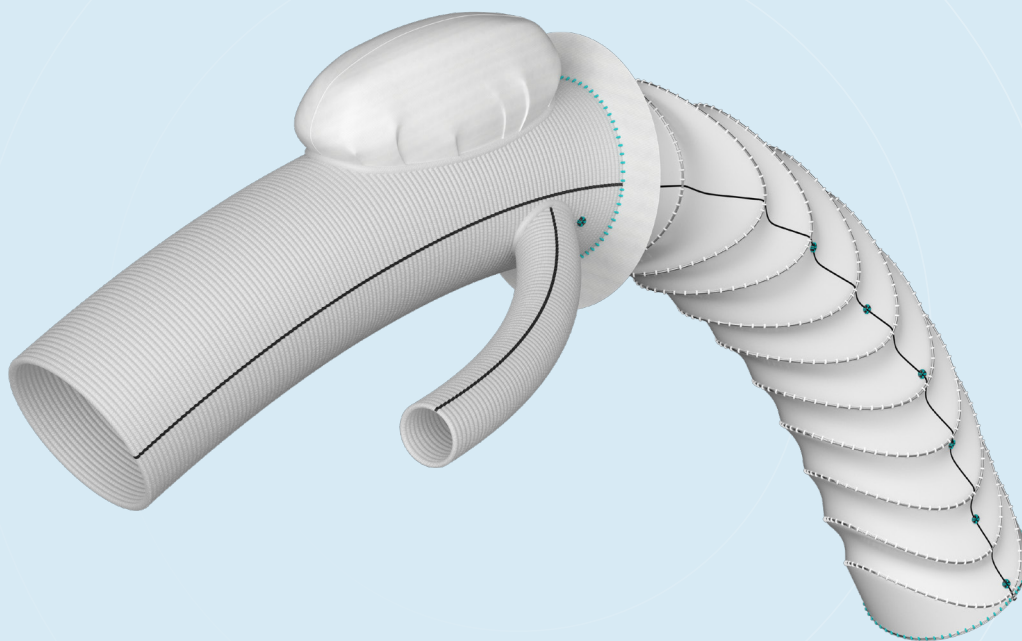




PRODUCT BROCHURE

Thoraflex™ Hybrid Isola

Thoraflex™ Hybrid Thoracic Aortic Stent Graft System (Custom made)

The Next Evolution in Island Reconstruction¹

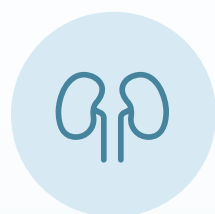


For more information, visit
terumoaortic.com/custom-thoraflex-hybrid

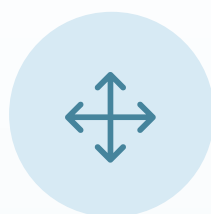
 custom thoraflex™ **hybrid**

Device Rationale

Recent works in the canon of associated literature^{2,3,4} have suggested that adapted versions of the Island technique offer peri and post operative benefits, particularly with respect to supra-aortic remodelling.² The Isola graft has been designed to confer further practical benefits to surgeons treating the arch using Island techniques.¹



Ante-Flo™ side branch allows for distal perfusion during island anastomosis.



Easy implantation, allows for performing the anastomosis of the epiaortic vessels last, after both distal and proximal aortic anastomoses, likely favoring both an early peripheral and myocardial reperfusion.¹

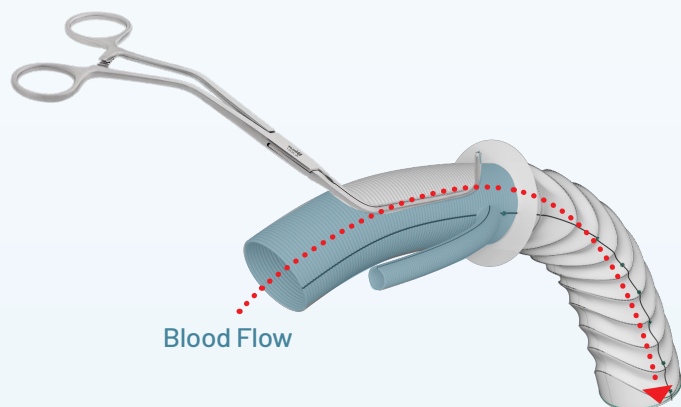


Design promotes improvements in blood flow to the supraaortic branches under the 'cut-bubble'.¹ The fenestration of the external cuff can be tailored to the island segment, potentially eliminating most pathological tissue.¹



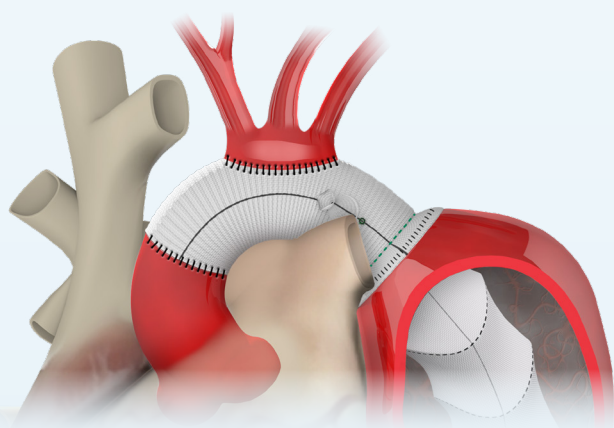
Reduced need for epiaortic vessel manipulation which may result in a lower incidence of neurological events in comparison to branched FET.^{1,3}

Island Technique Challenges



Clamping can reduce the graft lumen diameter

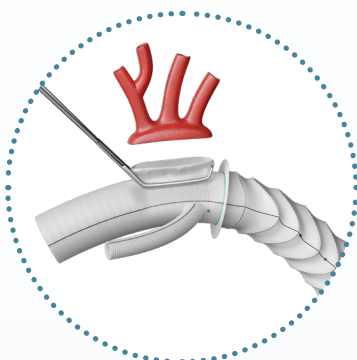
- ▶ Restriction can affect associated blood flow
- ▶ May present challenges for adequate graft to island coupling/interface



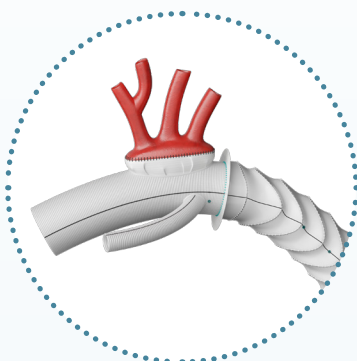
Circumferential anastomosis can be technically challenging

- ▶ Potential for post-op bleeding
- ▶ May require re-thoracotomy

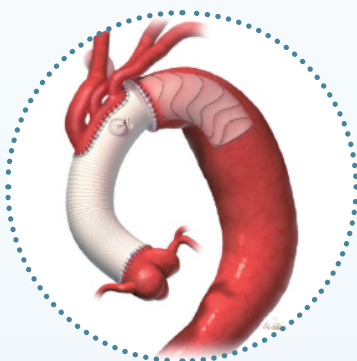
Device Anastomosis



The graft bubble can be easily located, clamped and then cut down to match the Island segment.

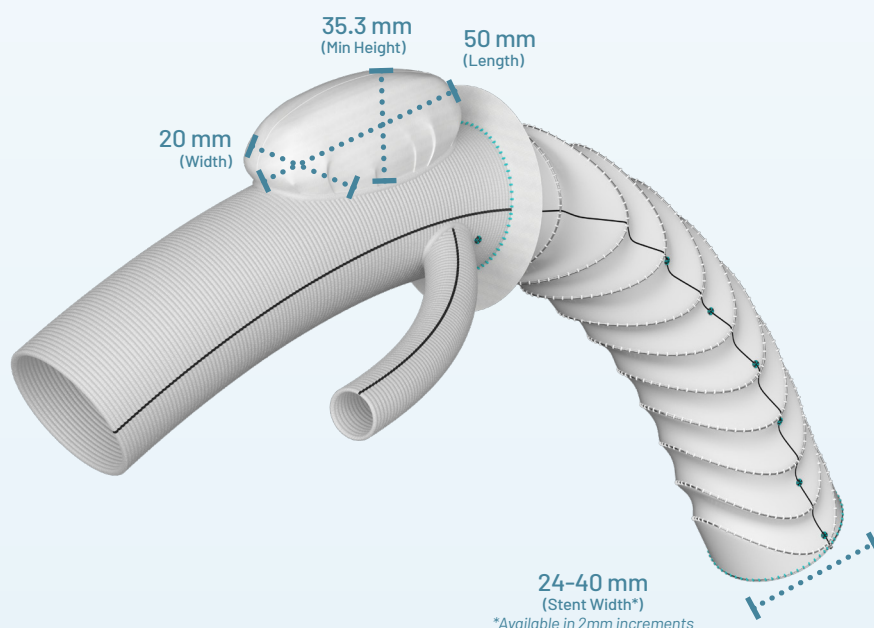
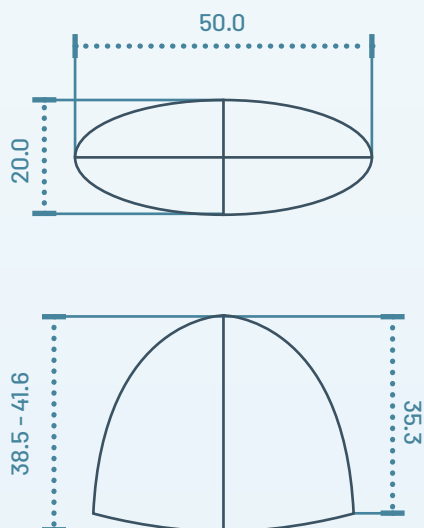


The island bloc is then anastomosed to the 'cut bubble' with the remaining bubble material providing a practical suturing point.



The 'cut bubble' is designed to accommodate a standard 3 vessel island bloc. 2 branch bloc techniques are also possible with the likely use of a Left Common Carotid Artery and Left Subclavian Artery bypass.

Dimensions



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Custom made devices are specifically made in accordance with a written prescription of any person authorised by national law by virtue of that person's professional qualifications; which gives (1) specific design characteristics provided under that person's responsibility and (2) is intended for the sole use of a particular patient exclusively to meet their individual conditions and needs. Custom made devices are not available in the US and availability is subject to local regulatory approval.

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