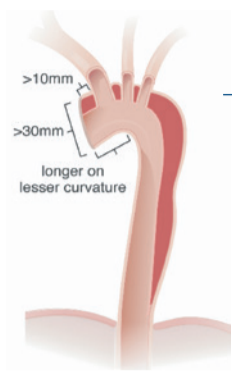
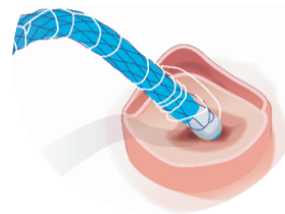


AMDS™ Hybrid Prosthesis Implantation Technique

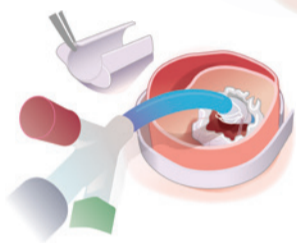


- 1** Transect the ascending aorta:
 - a. Leave >10mm proximal to the native arch branch vessels
 - b. Transected aorta diameter at the distal anastomosis >30mm
 - c. Leave longer on lesser curvature

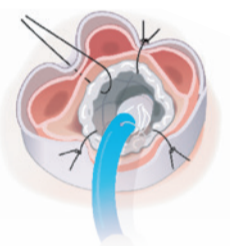
- 2** Pre-soak entire AMDS device and delivery system in saline. Do not allow to dry after soak.



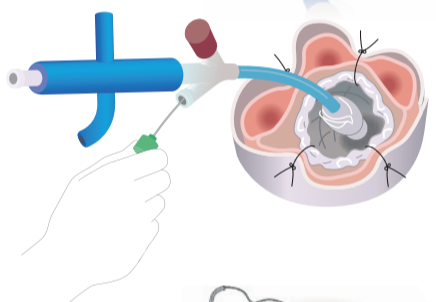
- 3** Introduce AMDS into the true lumen through the open distal aorta until the PTFE cuff is in the same plane as the transected aorta. If desired, this can be done over an .035" guide wire. If a guidewire is used, make sure to remove the guidewire before releasing the AMDS stent.



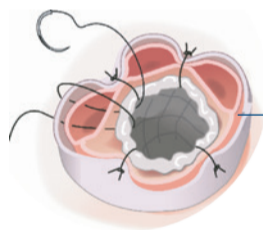
- 4** Retract and remove the protective sheath to fully expose the PTFE felt.



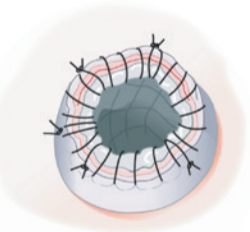
- 5** Secure the PTFE felt to the aorta by placing uninterrupted or running polypropylene sutures starting at 6, and following with 12, 3, and 9 o'clock positions. Use of a PTFE felt strip external to the aorta is highly recommended to avoid excessive tension or tearing of the aorta.



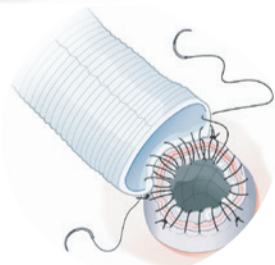
- 6** While an assistant stabilizes the PTFE felt to the aorta using gentle vascular pickups, unscrew the green cap counterclockwise until released. Pull back the cap and connecting ePTFE suture to release and expand the braided stent.



- 7** Once the stent is fully expanded and disengaged from the delivery mechanism, the delivery system can be removed, making sure the tip of the delivery system is free from the distal end of the stent. If tension is felt when retracting the delivery system, a stiff guidewire (0.035) can be placed to straighten the tip of the deployment system.



- 8** Use a running suture to create a sandwich type anastomosis securing the inner AMDS felt cuff through the aorta and to the outer PTFE felt. Ensure no folding of the inner felt occurs.



- 9** Perform the polyester graft to aorta-AMDS complex anastomosis with a continuous suture line. Ensure each suture bite incorporates the conventional polyester graft and the PTFE felt-aorta-AMDS PTFE felt complex creating a meticulously tight seal between the PTFE felts and the dissected aorta.

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Always check instructions for use prior application

Watch the Animation



<https://ascyrus.com/product-information/>

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 Hybrid Prosthesis