

GEISTER



Ley™ Prostheses and Devices
for the Prevention and
Treatment of Median
Sternotomy Complications

The Ley™ Prostheses and Devices – Bridge to Recovery

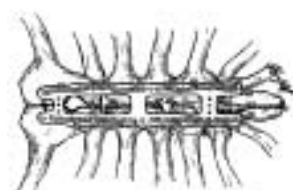
Median sternotomy is the most common approach for cardiac surgery procedures; six to eight twisted steel wires are used to close the sternum halves, however the use of one or both internal mammaries arteries for CABG deprives the nutritional blood flow to the sternum. Additional risk factors for sternum dehiscence or mediastinitis are overweight, chronic obstructive lung disease, asymmetric midline sternotomy and diabetes mellitus among others.

The multiple point fixation technique with The Ley prostheses and devices allow the surgeon to reconstruct a severely damaged sternum even in cases after incomplete sternectomy.

Developed in cooperation with Rafael Astudillo MD PhD, the Ley prostheses and devices are a valuable adjunct to the prevention and treatment of mediastinitis after open heart surgery, providing a shorter stay at the cardiac surgery ward and a reduced need for further surgical procedures*

*Eur J Cardiothorac Surg. 2001 Jul;20(1):133-9

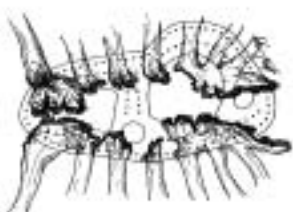
Fewer reoperations and shorter stay in the cardiac surgical ward when stabilising the sternum with the Ley prosthesis in post-operative mediastinitis. Astudillo R, Vaage J, Myhre U, Karevold A, Gardlund B.



Order No. Description

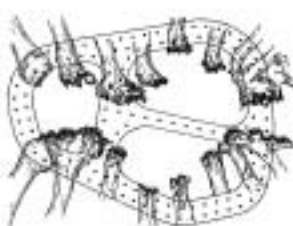
Ley™ Prosthesis

04-1010	Small	138 x 42 mm
04-1011	Small+	138 x 46 mm
04-1012	Medium	148 x 42 mm
04-1014	Large	158 x 42 mm



Ley™ Midi Prosthesis

04-1020	Small	142 x 73 mm
04-1021	Small+	153 x 73 mm
04-1024	Medium	142 x 83 mm
04-1025	Medium+	153 x 83 mm
04-1028	Large	142 x 93 mm
04-1029	Large+	153 x 93 mm



Ley™ Maxi Prosthesis

04-1040	Small	160 x 125 mm
04-1042	Medium	180 x 141 mm
04-1044	Large	200 x 157 mm



Ley™ Device

04-1000	98 x 8 mm
04-1001	118 x 8 mm
04-1002	128 x 8 mm
04-1003	138 x 8 mm
04-1004	148 x 8 mm

U.S. Patent No. 5,139,498 and other patents pending.



The better way to operate

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