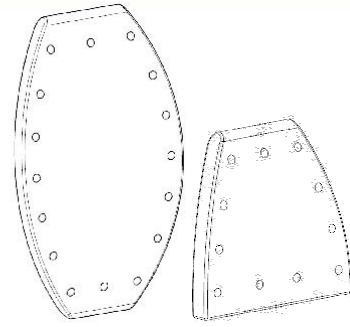


## CERAMIL Sternum



Indication:  
**Sternum replacement**

### **The implant**

The CERAMIL Sternum is a bioceramic. It is a non-absorbable inert product. It is designed for use in bone synthesis and intended, by its geometry, for the total or partial replacement of the sternum following a sternectomy.

This implant is equipped with lateral drilling, to be sutured to the costal cartilage.

*Material: porous  $Al_2O_3$  alumina*

### **Biological function**

**Perfect biocompatibility:** Various biological and clinical tests show that there is no alumina release.

**Osteoporosis:** Its structure with open porosity between 100 and 900  $\mu m$  promotes bone rehabitation.

### **Mechanical function**

**Compression resistance** greater than 20 MPa  
(Maximum chest stress = 0.05 MPa)

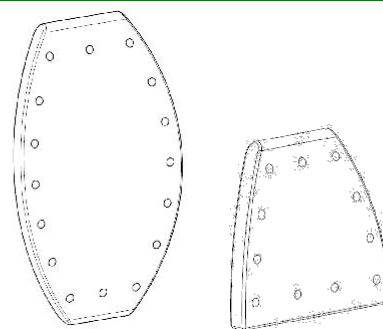
**Respiratory capacity:** Suture binding (followed by bone integration) allows a conservation of chest flexibility so as not to harm respiratory function.

### **Features**

**8 different sizes:** The anatomical geometry of the sternal implant allows a filling of the resected area respecting the physiology of the ribcage.

NB: The main interest is based on the fact that it is a pre-formed implant, requiring no adaptation once the measurement has been carried out, can be installed in the state and implanted for life.

# CERAMIL Sternum



Indication:  
**Sternum replacement**

## REFERENCES

### Sternum CERAMIL

<i>Reference</i>	<i>Dimensions (Long x Wide x Ep.)</i>
ST01/3B/T1	92,5 x 42 x 6,5 mm
ST01/3B/T2	116,5 x 59,5 x 7 mm
ST01/3B/T2.5	129 x 69,5 x 7.5 mm
ST01/3B/T3	132 x 78 x 8 mm
ST01/3B/T4	163 x 87.5 x 8.5 mm
ST01/3B/T1-H	57 x 60 x 7 mm
ST01/3B/T2-H	70 x 75 x 8 mm
ST01/3B/T3-H	80 x 90 x 8.5 mm

Sterilization: Gamma radiation between 25-40 kGy

