



# Protosthetics Pectus Carinatum Brace Overview



- **FULLY CUSTOM**

- Protosthetics pectus carinatum brace is manufactured off of a 3D scan or cast of your patient's chest. Upon arrival, you will find that the brace is fully custom to each individual patient's deformity(ies). It is not necessary to spend time modifying the brace. Panels are engineered and printed to perfectly fit the body contours of your patient.

- **4-WAY ADJUSTABILITY**

- Plastic panels are heat moldable and can be ground down.
- BOA dials for fine adjustments with quick latch locking mechanism to force Anterior-Poster compression.
- On the backside of the strapping mechanism, Velcro addition allows adjustability for growth over time.
- Butterfly strap on the posterior side of the brace allows for larger circumferential adjustments.

- **"DESIGN YOUR OWN"**

- The brace has design selections when it comes to the plastic, printed panels and the foam padding colors. This enables young kids to feel involved in their bracing process.

## How to Order?

### (1) Shape Capture

- **Casting:** Put a white stockinette over your patient and circle the deformity(ies). Place an X where the apex of the deformity is located. Capture a photo like below. Fiberglass wrap the patient. Compress the deformity to the fully correct position and hold until cast is set.
  - Pressing helps expand the rib cage which ensures a better fit under full compression with our brace.
- **Scanning:** Put a white stockinette over your patient and circle the deformity(ies). Place an X where the apex of the deformity is. Capture a photo like below. Place patient's arms in a T-position (arms straight out). Take a 3D scan of the chest, from neck to waist, around patient's entire body.
  - Ensure girls wear their hair up and out of the scan.
  - *Our team utilizes the Structure sensor that attaches to an iPad and the app DigiScan3D.*



### (2) Email

- Email both the scan (in OBJ format) and photo to [scans@protosthetics.com](mailto:scans@protosthetics.com).

### (3) Order Form

- Mail paper order form (attached) to Protosthetics address or fax to 701-478-1020
- Order online at <http://protosthetics.com/pectus-carinatum-brace/>

## Questions?

Reach out to our Sales Team at [sales@protosthetics.com](mailto:sales@protosthetics.com).

