



What your purchase includes – Molded components

All custom molded seats and backs manufactured by CUSHMAKER.com are either hand laminated or digitally carved by computer. The construction, configuration and shape of the inserts are dictated by the type of mold submitted (plaster or digital) and the features described on the purchase order.

HAND LAMINATED

A hand laminated seating system is constructed of several layers of hand carved and hand laminated foam. Mostly made of varying densities of Sun-Mate foam it may also include layers of Etha-foam in selected areas to add rigidity for additional support and increased stability. Sun-Mate foam is used to create the contoured surface profile of the mold, reduce point pressure against the skin and allow flexibility for slight body movements and postural changes. A hand laminated seating system can only be constructed from a plaster body mold. When completed, the finished product is checked against the plaster mold for accuracy.

DIGITIZED CARVING

A digitized seating system is constructed from a computerized image of a body mold and then machine carved into high quality polyurethane foam using a CNC router. The finished carving is trimmed, sized and laminated to either a plywood base or an ABS (plastic) shell. It is then detailed and modified according to specific quality control standards and written instructions from the dealer. The computerized image can be re-used to carve a second seating system for an alternate mobility unit.

AII-INCLUSIVE PART NUMBERS AND PRICING

Over the years we have developed a policy of generating part numbers and pricing structure to minimize the entire ordering and billing process. Our all-inclusive approach allows our dealers to use fewer part numbers and fewer manufacturing instructions while preparing quotes and requesting funding for the most difficult and complex orthopedic population. As you review the product descriptions below keep in mind that some projects require slight variations in configuration to accommodate special needs. Also, we ask that you review our three mounting hardware choices to determine the most appropriate type of installation to the wheelchair frame.

SEAT INSERT

Every custom molded seat insert, whether hand laminated or digitized, include all contour profiles indicated on the mold and the following standard features as part of the retail price:

**Minimum of 1½” foam at the thinnest portion of the insert under the ischial tuberosities
½” high quality Birch laminate plywood mounting base with rounded corners
¼ x 20 T-nuts with 1” spacing (fit most hardware and accessory installation)**

1" front edge undercut for knee flexion contractures*
Pelvic belt relief modification at rear lateral corners
Built-in pommel per mold or per specifications*
Leg length discrepancy modification*
Growth tail extension*
Un-upholstered trial fitting*
Waterproof finish on all exposed foam surfaces, silicon*
One removable cover (with hook/loop attachment) in choice of color and material

* This feature is included at no additional cost only if indicated on the mold or specified on the purchase order

Options for seat inserts at additional cost

Flip down pommel and hardware
Urinal bottle cutout with removable pommel

I-BACK INSERT

Every custom molded I-Back insert, whether hand laminated or digitized, include all contour profiles indicated on the mold and the following standard features as part of the retail price:

½" high quality Birch laminate plywood mounting base with rounded corners
¼ x 20 T-nuts with 1" spacing (fit most hardware and accessory installations)
Swing Away trunk pads with height and width adjustable winter/summer hardware
Choice of either curved ABS trunk pads or Omni-flex™ trunk pads w/strap closure
Minimum of 1" foam at the thinnest portion of the insert under the shoulder blades
Waterproof finish on all exposed foam surfaces or up to the belt line only, silicon*
One removable cover (with hook/loop attachment) in choice of color and material

Un-upholstered trial fitting*

* This feature is included at no additional cost only if indicated on the mold or specified on the purchase order

KINETIC BACK INSERT

Every custom molded Kinetic Back insert, whether hand laminated or digitized, include all contour profiles indicated on the mold and the following standard features as part of the retail price:

Double-walled ABS plastic contoured shell or wood base w/ABS lateral enforcements
¼ x 20 T-nuts with 1" spacing (fit most hardware and accessory installations)
Built-in lateral stabilizing trunk support with double-walled shell reinforcements
Minimum of 1" foam at the thinnest portion of the insert under the shoulder blades
Waterproof finish on all exposed foam surfaces or up to the belt line only, silicon
One removable cover (with hook/loop attachment) in choice of color and material
Padded chest strap or custom shaped Omni-flex™ trunk pads ***

Un-upholstered trial fitting*

** The custom shaped Omni-flex™ trunk pads are only available on systems created with a preliminary un-upholstered trial fitting.

* This feature is included at no additional cost only if indicated on the mold or specified on the purchase order

Options for Kinetic Back Inserts at additional cost

Hinged laterals with adjustable locking hardware (for width adjustability)
Swing-away laterals with locking hardware (to facilitate transfers)
Abdominal binder with hook/loop or buckle closures
Arm support platforms