



Choosing the right custom molded back insert for your client

CUSHMAKER.com offers three types of custom molded backrests: Curved Back, I-Back and Kenetic Back™. Your choice of backrest is based on the amount and type of support your client requires. Each can be accessorized in a number and customized to the specific postural and orthopedic needs of any wheelchair dependent person. Our products are built with a clear understanding of considerations regarding skin management, safety, ease of attendant care and ease of maintenance by the dealer or caregiver after delivery.

GENERAL FEATURES

All seat and back inserts manufactured by CUSHMAKER.com are constructed with rounded corners, t-nut inserts (for mounting hardware and accessories), removable upholstery with hook/loop attachment and fabricated with either a hand laminated SunMate process (from plaster mold) or a machined carving process (from digitized mold). The following is a brief description of the features for each type of custom molded back insert:

CURVED BACK INSERT

The Curved Back Insert is constructed on a double walled ABS and lite-core shell. The sides of the shell are bent forward one inch and the top edge is arched. Both of these features are strictly for cosmetic enhancement. The design of the Curved Back Insert allow for the construction of very low profile un-reinforced lateral supports, no deeper than three inches. Additional accessories such as a chest strap, chest harness, abdominal binder or headrest can be easily added or retrofitted. This is also the lightest weight backrest we offer. The Curved Back Insert can be constructed in full width (FW) and between bars (BB) design, and available for wheelchair sizes 14" or wider. All are priced the same.

I-BACK INSERT

The I-Back Insert is constructed on a ½" plywood base. The design of the I-Back Insert typically includes cutouts on each side (depending on body profile). All come standard equipped with curved trunk pads (small, medium, large), and swing-away hardware with adjustable winter-summer kit. The winter-summer kit allows for infinite vertical adjustment to the trunk pads as well as inward-outward adjustment at ¼" increments up to 2" on each side.

The design of the I-Back Insert is intended to provide maximum, spinal alignment, trunk support and lateral stability. It is the most aggressive and orthopedically enhancing backrest available on the market. The swing-away feature eases transfers in and out of the wheelchair and easily accommodates changes in body weight, heavy to light clothing, or alignment changes of the trunk and spinal areas. Additional accessories such as a chest strap, chest harness, omni-flex trunk pads, abdominal binder or headrest can be easily added or retrofitted. The I-Back Insert can be constructed in full width (FW) and between bars (BB) design, and available for wheelchair sizes 14" or wider.

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KENETIC BACK INSERT™

The Kenetic Back Insert™ is typically constructed on a double walled ABS and lite-core shell. The sides of the shell are bent forward one inch and include built-in, externally reinforced, ABS lateral supports up to 10” deep. The design of the Kenetic Back Insert™ is intended to offer the maximum of postural support while providing an aesthetically pleasing profile.

This back insert offers the most flexibility in design options and features, such as: width adjustable laterals with hinged locking hardware, swing-away laterals with button release hardware and internally reinforced laterals (these three modification options require the Kenetic Back Insert™ to be constructed on a plywood base). Custom omni-flex trunk pads can also be added but not retrofitted. Additional accessories such as a chest strap, chest harness, abdominal binder or headrest can be easily added or retrofitted at any time. The Kenetic Back Insert™ can be constructed in full width (FW) and between bars (BB) design, and available for wheelchair sizes 14” or wider.

Remember, there are only a hand full of manufacturers that offer custom molded seating systems. However, there is only one manufacturer that offers three very different types of molded back inserts fabricated from your plaster mold or digitized file:



Review our website and other informational documents in PDF format for additional insight on these and other products manufactured or distributed by CUSHMAKER.com.

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