

## A 1.- Bio ST Seats & Backs



The Bio ST seats and backs have been designed with the highest level of functionality while equally considering the need for durability. Every seat and back is constructed from a ½” sheet of High Density Polyethylene (HDPE), a medium density foam module (1 ½” of Sunmate and Confor for Custom Solid backs and 2” of Sunmate and Confor for Custom Solid seats and cushions), and a choice of a variety of mounting options (all made from steel for added strength). The HDPE “skeleton” used provides significantly greater strength than plywood and will also retard warping or rotting when subjected to moisture. Screws and bolts will not come loose from HDPE as they can when plywood is used as the “skeleton” of a seat or back.

All hardware used (nuts, bolts, washers and screws) are stainless steel that we treat with a black ox finish. This assures the greatest strength and rust prevention while blending into the seat and back for improved aesthetics.

All surfaces and edges which may come in contact with the client are padded to prevent pressure areas (I.E.-front, top, sides and bottom for seats and backs).

Our sewing operation produces the highest quality covers to offer an appealing looking finish while placing all seams in non client contact areas. Zippered closures are standard on all seats and backs.

All positioning accessories (Lateral Thoracic Supports, Lateral Hip/Thigh Supports, Lateral Knee supports, etc.) are mounted to the seat or back on a track system. This allows for easy and quick adjustment.

*See the seat and back modifications sections for customization options.*

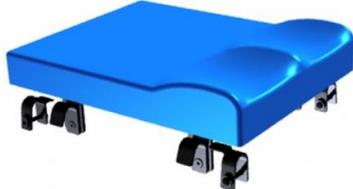
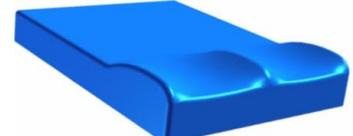
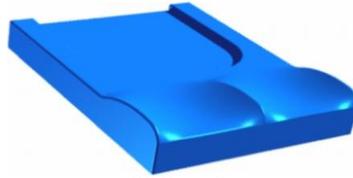
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### A 1.1.- Bio ST Seats

Model	Description
 <p data-bbox="277 512 375 537"><b>SS01-NB</b></p>	<p data-bbox="532 342 1468 506">Custom Solid Seat Insert, 15'' to 20'' in width and depth, made of a 1/2'' of HDPE (High Density Polyethylene), a foam module (Medium Package → 1'' Soft Sunmate on 1'' Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by height/angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1'' tubing). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Hip/Thigh Supports and Lateral Knee Supports)</p>
 <p data-bbox="277 764 375 789"><b>SS02-NB</b></p>	<p data-bbox="532 569 1528 758">Custom Solid Seat Insert, contoured with Abduction and Adduction influence, 15'' to 20'' in width and depth, made of a 1/2'' of HDPE (High Density Polyethylene), a contour foam module (Medium Package → 1'' Soft Sunmate on 1'' Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by height/angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1'' tubing). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Hip/Thigh Supports and Lateral Knee Supports)</p>
 <p data-bbox="277 1047 375 1073"><b>SS04-NB</b></p>	<p data-bbox="532 831 1528 1020">Custom BioWell Solid Seat Insert, foam contoured to offer abduction and adduction while providing an ischial/trochanteric recess in the rear, 15'' to 20'' in width and depth, a contour foam module (Medium Package → 1'' Soft Sunmate on 1'' Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by height/angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1'' tubing). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Hip/Thigh Supports and Lateral Knee Supports)</p>
 <p data-bbox="269 1226 383 1251"><b>SSC1P-NB</b></p>	<p data-bbox="532 1115 1520 1199">Custom Seat Cushion, 15'' to 20'' in width and depth, a foam module (Medium Package → 1'' Soft Sunmate on 1'' Medium Sunmate), 1/4'' HDPE solid insert, a zippered Black Neoprene (Rubatex) cover. Velcro.</p>
 <p data-bbox="277 1430 375 1455"><b>SSC2-NB</b></p>	<p data-bbox="532 1293 1528 1409">Custom Contour Seat Cushion, contoured with Abduction and Adduction influence, 15'' to 20'' in width and depth, a contour foam module (Medium Package → 1'' Soft Sunmate on 1'' Medium Sunmate) to offer abduction and adduction, 1/4'' HDPE solid insert, a zippered Black Neoprene (Rubatex) cover. Velcro.</p>
 <p data-bbox="277 1671 375 1696"><b>SSC4-NB</b></p>	<p data-bbox="532 1514 1528 1629">Custom BioWell Solid Seat Insert, foam contoured to offer abduction and adduction while providing an ischial/trochanteric recess in the rear, 15'' to 20'' in width and depth, a contour foam module (Medium Package → 1'' Soft Sunmate on 1'' Medium Sunmate), 1/4'' HDPE solid insert, a zippered Black Neoprene (Rubatex) cover. Velcro.</p>

If color other than Black Neoprene is desired, replace the last two letters of the model number (NB) with those from Color Selection section.  
i.e.- SS01-NB becomes SS01-NE when color Eggplant is desired.

If mounting hardware other than the above (including one piece hinged, seat and back system) is desired, select a modification from section A 4.1.-

If foam other than the Medium Package above is desired, select an alternative pre-set package from section A 3.2.1.1 or create a custom configuration from section A 3.2.1.2.-

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**A 1.2.- Bio ST Backs**

Model	Description
 <p data-bbox="232 625 329 653"><b>SB01-NB</b></p>	<p data-bbox="440 401 1471 562">Custom Solid Back Insert, 15” to 20” in width and height, made of a 1/2” of HDPE (High Density Polyethylene), a foam module (Medium Package → 1” Soft Sunmate on ½” Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by depth/angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1” tubing). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Trunk Supports and Lateral Hip/Thigh Supports)</p>
 <p data-bbox="232 968 329 995"><b>SB02-NB</b></p>	<p data-bbox="440 730 1471 919">Custom Solid Mild Contour Back Insert, 15” to 20” in width and height, made of a 1/2” of HDPE (High Density Polyethylene), a mild contour foam module (Medium Package → 1” Soft Sunmate on ½” Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by depth/angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1” tubing ). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Trunk Supports and Lateral Hip/Thigh Supports). (Contour represents a 1 ½” difference in foam from lateral edges of back to the center of back)</p>
 <p data-bbox="232 1297 329 1325"><b>SB03-NB</b></p>	<p data-bbox="440 1066 1471 1255">Custom Solid Deep Contour Back Insert, 15” to 20” in width and height, made of a 1/2” of HDPE (High Density Polyethylene), a deep contour foam module (Medium Package → 1” Soft Sunmate on ½” Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by depth/angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1” tubing ). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Trunk Supports and Lateral Hip/Thigh Supports). (Contour represents a 2” difference in foam from lateral edges of back to the center of back)</p>
 <p data-bbox="232 1591 329 1619"><b>SBC1-NB</b></p>	<p data-bbox="440 1430 1414 1514">Custom Solid Back Cushion, Straps with Velcro for push handle attachment, 15” to 20” wide, a foam module (Medium Package → 1” Soft Sunmate on ½” Medium Sunmate), a zippered Black Neoprene (Rubatex) cover.</p>

If color other than Black Neoprene is desired, replace the last two letters of the model number (NB) with those from Color Selection section. i.e.- SB01-NB becomes SB01-NE when color Eggplant is desired.

If mounting hardware other than the above (including a one piece, hinged, seat and back system) is desired, select a modification from section A 4.1.-

If foam other than the Medium Package above is desired, select an alternative pre-set package from section A 3.2.1.1 or create a custom configuration from section A 3.2.1.2.-

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### A 1.3.- Pediatric Bio ST Seats

Model	Description
 <p data-bbox="154 594 251 615"><b>SS09-NB</b></p>	<p data-bbox="570 384 1463 573">Custom Solid Seat Insert, up to 14" width and depth, made of a 1/2" of HDPE (High Density Polyethylene), a foam module (Medium Package 1" Soft Sunmate on 1/2" Medium Sunmate), a zippered Black Neoprene (Rubatex) cover, secured by height and angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamps for 1" tubing ). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Hip/Thigh Supports and Lateral Knee Supports)</p>

If color other than Black Neoprene is desired, replace the last two letters of the model number (NB) with those from Color Selection section. i.e.- SS09-NB becomes SS09-NE when color Eggplant is desired.

If mounting hardware other than the above (including a one piece, hinged, seat and back system) is desired, select a modification from section A 4.1.-

If foam other than the Medium Package above is desired, select an alternative pre-set package from section A 3.2.1.1 or create a custom configuration from section A 3.2.1.2.-

### A 1.4.- Pediatric Bio ST Backs

Model	Description
 <p data-bbox="272 1535 370 1556"><b>SB09-NB</b></p>	<p data-bbox="516 1262 1458 1423">Custom Solid Back Insert, up to 14" in width and height, made of a 1/2" of HDPE (High Density Polyethylene), a foam module (Medium Package → 1" Soft Sunmate on 1/2" Medium Sunmate), a zippered Black Neoprene (Rubatex) cover and secured by depth and angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1" tubing ). (T-Nuts installed to accept a pair of aluminum tracks for future mounting of Lateral Trunk Supports and Lateral Hip/Thigh Supports)</p>

If color other than Black Neoprene is desired, replace the last two letters of the model number (NB) with those from Color Selection section. i.e.- SB09-NB becomes SB09-NE when color Eggplant is desired.

If mounting hardware other than the above (including a one piece, hinged, seat and back system) is desired, select a modification from section A 4.1.-

If foam other than the Medium Package above is desired, select an alternative pre-set package from section A 3.2.1.1 or create a custom configuration from section A 3.2.1.2.-

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**A 1.5.- Bio ST Seat & Back Interfaces to Accept Cushions**

Model	Description
 <p style="text-align: center;"><b>S91</b></p>	<p>Custom Drop Solid Seat Pan, height and angle adjustable, made from ½“ HDPE - secured by height and angle adjustable steel mounting hardware, Velcro strips (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1” tubing ).</p>
 <p style="text-align: center;"><b>S90</b></p>	<p>Custom Drop Solid Seat Pan, made from ½“ HDPE - secured by flush steel mounting hardware</p>
 <p style="text-align: center;"><b>S95</b></p>	<p>Complete Kit to mount other manufacturers back cushion: secured by depth and angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1” tubing), and any necessary interface plate.</p>
 <p style="text-align: center;"><b>S96</b></p>	<p>Complete Kit to mount other manufacturers seat cushion: secured by height and angle adjustable steel mounting hardware (standard duty 4ea. L-Brackets w/4 holes, 4ea. J-Hooks w/1 countersunk hole &amp; 4ea. horseshoe clamp for 1” tubing), and any necessary interface plate.</p>

If mounting hardware other than the above is desired, select a modification from section A 4.1.-

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