



The Fundamentals of Bodypoint Products

Bodypoint Basics:

Engineered Products: All Bodypoint products are produced from an engineering drawing to provide consistent production quality. These products are tested to ISO standards to ensure that they perform the function to which they were designed. Bodypoint product design is dictated by the functional goals for the product down to the smallest details:

- **Webbing:** Bodypoint uses proprietary webbing with a weave and weight of the nylon webbing specified so that it is stiff enough to thread easily through end-fitting hardware, but soft enough to not be rough against the skin. The edges of the webbing are smooth so they are not sharp against the skin. The weave is tight so that food and dirt don't lodge in the webbing. The nylon is carefully selected for long life, performance and stain resistance.
- **Foam:** Bodypoint uses a closed-cell foam with excellent resiliency and pressure distribution properties.
- **Laminar Pads:** Bodypoint has a patented laminar pad which is sewn in place and contoured to fit a body comfortably. The pads are covered with non-stretch outer fabric for pressure distribution, lined with wrinkle-free soft fabric, and edged with a soft binding designed with extra width to prevent sharp edges for comfort.
- **Comfort:** Wrinkle-free soft fabric lining provides the highest levels of comfort available.
- **End Fittings: Both** Cinch-Mount and Flat-Mount end-fittings prevent bunching and tearing of webbing, offering a strong and adjustable means of attachment.
 - i. **Cinch Mounts** lock the webbing in place once it is threaded through bar and closed. Cinch Mount end fittings eliminate the need to weave webbing through sliders or tri-glides. This makes adjustments very quick and easy to secure.
 - ii. **Flat Mounts** are flat metal triangular-shaped end fitting that provides the lowest profile to fit tight spaces. Bodypoint Flat-Mounts also have a dimple allowing a little space so that it is easier to thread webbing through the slot. Flat-Mounts are used with a metal slide to secure the webbing.
 - iii. **FrameSaver Clamps** can be used with either Cinch-Mounts or Flat-Mounts making it simple to provide a screw hole for attachment to the wheelchair without having to drill a hole into the wheelchair frame.
- **Durability & Maintenance:** Quality construction enables Bodypoint to offer a limited lifetime warranty against defects in workmanship and materials under normal use.
- **Buckles:** Bodypoint has 4 different buckles available on a variety of belts.
 - i. **Rehab Latch Buckle:** This is the first buckle ever designed for rehab use. It is lightweight, strong, low profile, and easy to operate with limited hand function. The Rehab Latch buckle is 20% more compact than standard aircraft latch-style buckles. It opens when the cover is lifted to a 70° angle so that the buckle won't open by accidentally bumping the buckle. The metal adjustments in the buckle make it easy to tighten the belt, yet prevents the webbing from slipping once tightened so that the belt stays in place.
 - ii. **Bodypoint Push-Button Buckle:** This is the first push-button buckle designed for rehab use. The buckle is 1/3 lighter than comparable push-button models. It is designed with rounded edges that improve comfort and prevent snagging on clothing. It has the same internal metal adjustments as the Rehab Latch buckle so that the belt tightens easily but does not loosen through the day. It also has the option of a Reduced-Access Cover (14mm) and Buckle Security Cover (6mm) depending on the needs of the user. These covers are sold separately.
 - iii. **Side-Release Buckles:** These buckles are plastic and light weight. They secure with a snap action.
 - iv. **Extra small Metal Push-Button Buckle:** This is a strong and secure child-sized buckle. Bodypoint makes a Buckle Security Cover that snaps over the top of this buckle which is sold separately.
- **D-rings:** Bodypoint designed the D-rings used on the products that are wider to accommodate a larger hand size. The D-rings are engineered to stay in place rather than easily slip so that they remain positioned for the thumb or fingers to easily capture which is especially helpful for people with limited hand function.

Limited Lifetime Warranty: Quality construction enables Bodypoint to offer a limited lifetime warranty against defects in workmanship and materials under normal use...

II. HIP BELTS

Non-Padded Hip Belts

- Most economical choice
- Satisfies most basic positioning needs

While most people benefit more from a padded hip belt, reimbursement can dictate the level of belt provided. When a Bodypoint non-padded belt is the choice, the user gets superior webbing and a range of buckle choices.

Center-Pull Hip Belts

- Most popular padded hip belt
- Ideal for people with posterior pelvic tilt (most common pelvic tendency of wheelchair users)

Bodypoint Center-Pull Hip Belts are ideal for positioning people with posterior pelvic tilt which is the most common pelvic tendency of wheelchair users. Bodypoint offers this belt in pad sizes from extra small to large and with four different buckle styles.

Dual-Pull Hip Belts

- Extra webbing length
- Offers center-pull adjustment from each side of the buckle

Bodypoint Dual-Pull Hip Belts are still center-pull and thereby working with the same user group as the center-pull belts. They adjust from both sides of the buckle for greater range of adjustment. The extra webbing length accommodates bulky clothing and weight changes. Dual-Pull Hip Belts are only available with side-release buckles.

Rear-Pull Hip Belts

- Adjustment straps pull from the rear of the pad – not the rear of the wheelchair
- Ideal for positioning people with pelvic obliquity

Bodypoint Rear-Pull Hip Belts pull from the rear of the pad not the rear of the wheelchair. With one adjustment point on each side of the pelvis, Rear-Pull Hip Belts are ideal for positioning people with pelvic obliquity. The pulley-like mechanism moves the pelvis into position and holds it there. Rear-Pull Hip Belts are available with side-release or push-button buckles.

Four-Point Hip Belts

- Aggressive positioning and stability
- Ideal for the complex positioning needs of Anterior Pelvic Tilt, Pelvic Rotation and Thrusting

Bodypoint Four-Point Hip Belts provide superior stability. The secondary straps anchor the belt in position to keep it from riding up into the abdomen. Medial placement of the secondary straps secures the pads and prevents the straps from twisting. The Four-Point Belts are available in Center-Pull, Dual-Pull and Rear-Pull styles. They offer aggressive positioning for Anterior Pelvic Tilt, Pelvic Rotation and Thrusting.

Hook & Loop-Compatible Hip Belts and Sub-ASIS Pads

- Very aggressive positioning and stability when combined with Sub-Asis pads
- Ideal for the complex positioning needs of Posterior Pelvic Tilt, Anterior Pelvic Tilt, Pelvic Rotation and Obliquity

Bodypoint Hook & Loop-Compatible Hip Belts provide superior stability when combined with a Sub-ASIS pad. The teardrop-shaped gel pads comfortably space the belt away from the abdomen (reducing pressure on the bladder), while firmly controlling the pelvis just below the ASIS. The pads can also be used across the lap if the belt is placed in a

different angle. The pads are gel-filled and provide an extra surface of anchor and pull to control the pelvis. This solution offers aggressive positioning for Posterior Pelvic Tilt, Anterior Pelvic Tilt, Pelvic Rotation and Obliquity.

Leg Harness

This simple solution is ideal for people who slide out of their chairs or who thrust or have spasticity which causes them to slide out of their chairs. The harness holds each leg at the inner thigh, providing exceptional resistance to the pelvic rotation and obliquity, without limiting anterior movement or pressing on the bladder. The force works much like a parachute harness in how it prevents users from slipping out of their chairs.

Shower Chair Belts

Be safe and secure with the Bodypoint Shower Chair Belt. Air and water pass through the Aeromesh™ fabric providing a complete wash for the client and short drying time for the belt. The Aeromesh™ is soft and comfortable against bare skin.

III. SHOULDER HARNESES

Standard Shoulder Harnesses

- Features the best upper-body stability and comfort on the market
- Can be set up in both “H” and “Backpack” configurations

Bodypoint Standard Shoulder Harnesses offer superior upper body stability and comfort. The design of the Laminar Pads distributes pressure evenly, while keeping the neck area open and free of irritation. The sternum strap is removable, so the Standard Shoulder Harness can be set-up in both “H” and “Backpack” configurations. The Standard Shoulder Harness is available in Front-Pull and Rear-Pull styles.

Trimline Shoulder Harnesses

- Features narrow pads with a gentle curve
- Can be set up in both “H” and “Backpack” configurations

Bodypoint Trimline Shoulder Harnesses feature narrower pads with a gentle curve for better fit in both the "Backpack" and "Crossover" configurations. Reverse the pad position for the different set-ups for comfort in both configurations. The slender profile is less obtrusive and more comfortable for women. The Trimline Shoulder Harness is available in Front-Pull and Rear-Pull styles.

Stayflex Anterior Trunk Support

- Patented design includes a stabilizing lower panel to limit stretching and riding up
- Available in Front-Pull and Rear-Pull Shoulder Harnesses

The Stayflex Anterior Trunk Support is made with a proprietary elastic pad material which allows a comfortable and controlled amount of stretch. The lower quick-release swivel buckles self-adjust to the line of tension to prevent bunching up

1. Available with a zipper or non-zippered version
2. Top side-release buckles for attachment cannot be confused with the attachment by the swivel buckles so care givers will always attach the harness correctly after removal.
3. Rear-pull attachment is ideal for use with thicker backrest or when you want the buckle or adjustment away from the user.

Monoflex™ Anterior Trunk Support

- Soft, comfortable pad is shaped to hug the body and provide stability while allowing just the right amount of stretch for movement.
- Two side-release buckles provide reliable, secure closure for both caregivers and users

The Monoflex Anterior Trunk Support is the perfect dynamic abdominal or chest belt. Comfortable, high-strength elastic pad provides just the right amount of stretch while maintaining substantial control. Side-release buckles allow adjustment and release on both sides for convenience. Versatile mounting hardware fits any type of solid or sling backrest.

Elastic Chest Strap

- Durable stretch material offers anterior support for the chest or abdomen in 3" or 4.5" widths (approximately 60"/152 cm long).
- Plush Velcro®-compatible terrycloth lining allows full length adjustment
- Reinforced thumb loop provides easy opening and adjustment – even with limited hand function.

The Elastic Chest Strap is a versatile, easily removable anterior trunk and abdominal support or positioning tool for therapists, users and caregivers. It can also be used to secure the legs around the thighs or calves. The simple thumb loop Velcro® closure provides easy one-handed opening and adjustment. Available in large and small widths; both size are 60" (152 cm) long and can be cut to fit.

Chest Belt

- Features a premium hook-and-loop closure with a leather-stiffed ring for easy adjustment by users with limited hand function.

Slip-On Pads can be added to the belt to provide more cushioning for comfort.

IV. Foot Positioning

Ankle Huggers

- Easy to fit, install and adjust
- Patented design has changed the world of foot positioning

Bodypoint Ankle Huggers balance the lower body in response to head and upper body movements. Their innovative, original design creates a stable, comfortable base for postural support. Available in five sizes ranging from x-small to x-large, Ankle Huggers can accommodate even high tops and most ankle-foot orthoses.

Ankle-Huggers are available with side-release buckles or hook-and-loop closures. The side-release buckles ensure strong closure even with extensive use or in a hook-and-loop release for easy adjustment which conforms to ankle-curve and is quickly tightened with each use to ensure a snug fit.

Adjustable Mounting Kit

- Easy to install
- Allows for regular adjustment of Ankle Huggers

The Ankle Huggers Adjustable Mounting Kit offers an easier way to reposition Ankle Huggers. Using a loop installed on the footplate, webbing is threaded around the loop and held in position by passing it through a slide. The Ankle Huggers Adjustable Mounting Kit is the ideal way to install Ankle Huggers if the user changes footwear.

Adjustable Angle Footplates

- Adaptable to a broad range of wheelchairs
- Adjustable height, depth and angle of footplate

The heavy gauge aluminum has a super-tough, non-skid nylon surface that stands up to hard use. The footplate provides the base of solid support essential to overall postural stability. The design allows this part to be both sturdy and low profile, maximizing caster clearance and leg-length adjustability. With a variety of mounting options, they are a great choice for almost any wheelchair. Combining Bodypoint Adjustable Angle Footplates and Ankle Huggers is a great foot positioning system in terms of both quality and function.

Footplate Hanger Brackets

- Durable and easy to install
- Adjustable height, depth and angle of footplate

Bodypoint's Footplate Hanger Brackets offer a variety of positioning options in a very sturdy and adaptable piece of hardware. They were designed especially for positioning the foot at angles other than 90°.

- **The 90° L-Bracket, made of thick-walled stainless-steel tubing.** This part is sturdier than any other part of the wheelchair, and manufactured to very tight specifications.
- **The Fulcrum Hanger Bracket** is made of heat-treated stainless steel and aluminum has extraordinary durability. It is adjustable through 270° inversion/eversion with infinite dorsiflexion/plantarflexion and height and depth adjustment.
- **The custom-mounting clamp.** The secret to this clamp's success is precise manufacturing tolerances, matching those of the L-Bracket and leading to a solid grip on the tubing. Tighten the clamp with a standard 6" wrench to eliminate plate rotation during use. Adjust and tighten the plates with Ankle Huggers already mounted and even with a foot resting on the plate. This clamp permits easy adjustment of the footplate and locks tightly in position for absolute stability.

Additional mounting options offer even further adjustability. Bodypoint's Adjustable-Angle Footplates can be mounted either up inside the hanger bracket tubes provided with most wheelchairs, or to the outside of the brackets, by means of HW404 and HW406 mounting clamps. When mounted to the outside, it becomes possible to accommodate unusual foot positions.

V. Hardware

Often Bodypoint's specialty hardware does not get the time required to demonstrate it well in a typical In-Service.

One way to approach this dilemma is to determine the level of interest in these products in advance or cover the hardware in a separate visit with the dealer or therapist.

Another approach is to be familiar with the special applications for Bodypoint hardware and the applications they fill often more successfully than similar products on the market. Using this approach, present the following products according to the solutions they offer. This will make a small group of niche products more interesting and easier to present.

Joystick Midline Mounting Kits

- No need for custom cutouts
- Flip-away mechanism is smooth and easy to operate.

Mounting a joystick in the mid-line position is a good solution when the user's hand function is limited, or where postural problems develop from leaning to the side while driving a power chair. To do so, however, often means mounting the joystick directly to a lap-tray, thus limiting the use of the tray. It can also entail hours of work for assembling hardware to make the joystick box removable, or to modify the lap-tray to accommodate the hardware.

Bodypoint's Joystick Midline Mounting Kit contains all the components needed to create an easy flip-away solution. The Midline Rotating Shaft mounts to either the left or right side of the wheelchair, rotating the Joystick Midline Arm in many planes to allow precise placement of the joystick. The Joystick Midline Mount retains its fixed rotation by simply tightening the clamps. No knobs to loosen or lose. No chance of repositioning the joystick accidentally.

The Joystick Midline Mounting Kit can also be used to bring an input device up high and close to the chest, or well down into the lap. Another use addresses the need to mount a chin control or display close to the head. Some people are even using the mounts for light-duty half-lap trays, or for mounting lighter communication devices. Bodypoint recommends using two clamps for mounting anything other than a joystick box of average weight.

Clickit and Fixit

- Compatible with all common drop hooks
- Slotted underside slides over rivet nuts

Clickits and Fixits are quick release mounting clamps designed to lock/unlock drop-hooks, allowing easy seat and back removal. Made of an injection molded high-strength resin, the Clickit and Fixit offer a smart design and are easy to install, tighten and adjust.

The Clickit is designed to hold a drop hook securely on a wheelchair's back canes or seat rails. This holds the seat and back securely on the wheelchair frame, yet allows easy removal for wheelchair transport. While the Clickit features a quick-release mechanism, the tab can be sanded or filed shorter to require more force for release.

The Fixit is designed to hold a drop hook securely to a wheelchair frame; the hook can be removed only by sliding it out from under the Fixit. Depending on the seating system, Fixits can be used alone or in conjunction with Clickits.

Combining Clickits and Fixits is good for use in situations when:

- It is desirable to be able to move the seat and back forward or backward, up or down independent of one another, such as to position contoured cushions.
- Additional accessories, such as a shoulder harness, need to be attached to the seat or back of the wheelchair, requiring that the seat back be held very securely to prevent sliding or lifting.