



Jewell Nursing Solutions

Pressure Injury Care & Prevention

The BackBone™

30-Degree Lateral Support Wedge Cushion

Thinking Beyond the Triangle

**Taking the pressure off patients
and caregivers since 2012.**



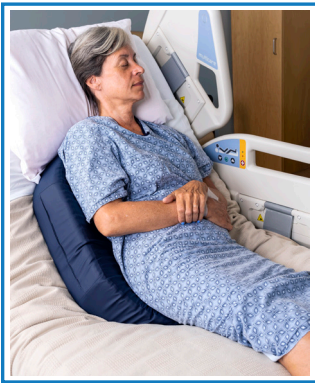
Jewell
Nursing
Solutions

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Designed for Quality Pressure Relief

- ◆ Reliable 30-degree angle support
- ◆ Supine offloading (with bilateral placement)
- ◆ Support for less patient shifting
- ◆ Stabilize patient during lateral rotation



- » Semi-Fowler:
Flexes to remain
in place in semi-

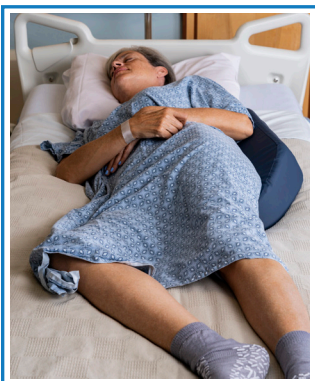


- » Provides even lift from
scapula and buttocks
- » Circumvents
sacroccocygeal area



- » Conforming shape
- » Consistent pressure relief
- » Comfortable stability

Bilaterally equal angle sides



- » Precise 30-degree angle
- » Uniformly distributed
support
- » Musculoskeletal aligned

- ◆ Medical-grade polyurethane-coated knit cover
- ◆ High-vapor air exchange
- ◆ Low friction – won't stick to skin
- ◆ Moisture resistant
- ◆ Antimicrobial treated
- ◆ Tolerates all disinfectant wipes, soap and water



- » Supine pressure relief:
The only 30-degree
lateral positioning
wedge that can relieve
pressure in the supine
position.

The BackBone™ Is Designed to Work

True 30-degree lateral turn support. Since the 30-degree lateral side turn position is not a natural angle of rest, the patient needs sufficient stability and distribution of support weight under the back to stay in this position.

Why Conventional Pillows and Wedges Don't Work

◆ Pillows do not maintain stable lift.

When placed flat, pillows do not lift enough to get adequate pressure reduction. And they bottom out. When folded, they turn the patient onto the trochanter and place disproportionate pressure on the back, then soon unfold to flat again from patient shifting and/or sliding.

◆ Conventional wedges do not conform to the patient's back; they push from the side instead of lift from under the patient.

The reason bulky, straight-edged wedge designs slip away, or patients shift off them so easily, is because the cushion does not conform to the natural curvatures of the spine. The traditional triangle wedge shape does not fully support underneath the body, but rather it "pushes" from the side. The patient's body weight pushes against the wedge, making it slip away, or the patient shifts to a more natural, comfortable position (either supine or 90 degrees). Patients do not get the pressure reduction they need, and caregivers give up using it.

◆ Two-piece wedge systems are too stiff and do not provide even distribution of support weight.

Although it is possible to fit smaller wedges under the patient, the foam must have greater firmness to avoid bottoming out. This increased firmness (or hardness) prompts many patients to complain of discomfort and feel the need to return to supine position. Since the shorter wedge does cover the entire back, there is an uneven redistribution of supported weight over the cushion. Impediment of vascular circulation is possible at the ends of the cushion.

The BackBone™ works better because it cradles the patient.

Why The BackBone™ Cushion Helps Reduce Incidence and Prevalence of Pressure Injuries

- ◆ The BackBone™ Cushion is more stable and comfortable because it provides even support across the entire support surface. The patented crescent shape allows the cushion to cradle the natural curvatures of the patient's back, while directing pressure away from the spine. The patient is more comfortable and can tolerate the turned position longer.
- ◆ The patented isosceles triangle and slightly less-than-30-degree angle is the breakthrough in positioning support design. With this shape, the wedge can support a reliable 30-degree angle every time, because it fits and supports from underneath the patient's back. The patient feels fully supported in the more gentle 30-degree turned angle. The unique design provides just enough angle to lift pressure off the sacrum/coccyx area, but not so great an angle that there is pressure placed on the shoulder or greater trochanter.
- ◆ The BackBone™ is the only wedge design that can be used to support, stabilize and provide some pressure relief when supine or back-lying semi-fowler is necessary or unavoidable. When set bilaterally, the wedge cradles the patient in a comfortable, redistributed supine position. Bilateral placement is also effective to stabilize and reduce friction and shear during lateral rotation.

The BackBone™ Features and Benefits

FEATURES	BENEFITS	FEATURES	BENEFITS
Patented Crescent Shape	<ul style="list-style-type: none"> » Lift from scapula and buttocks » Can be set to circumvent vulnerable areas in most cases » Accommodates the natural curvatures of the patient's body » Flexes during head-of-bed elevation, which helps cushion stay in place 	Anti-Microbial Derma Plush Gurney Pad Fabric	<ul style="list-style-type: none"> » Soft and flexible polyurethane fabric is skin safe » Allows gas exchange for improved breathability » Moisture resistant » Clean with any disinfectant wipe or soap and water » Durable and long-lasting
Patented Bilateral Angle Design	<ul style="list-style-type: none"> » Isosceles triangle wedge shape fits under the back for more effective lift » Support is stable because patients rest on top of the wedge » Can be placed bilaterally for support and offload in supine position 	Human Factor Compatibility in ANY Healthcare Environment	<ul style="list-style-type: none"> » Better stability and improved patient comfort increases satisfaction » Light and not bulky, easy to place » Use in any healthcare environment » Patients love The BackBone™ because it is comfortable » Caregivers love The BackBone™ because it's reliable » Facilities love The BackBone™ because it is cost-effective
Medium Density Grade Foam and Closed Cover	<ul style="list-style-type: none"> » Soft enough to feel comfortable » Firm enough to maintain support » Latex-free » Safe for use in MRI, radiology, hyperbaric chamber » Multi-patient use: more usage, less waste, less cost 		

The BackBone™ Positioning Wedge Selection Guide and Specifications

	Standard Size 27" L x 12" W Wedge 5" at back to 2" at front tips	Large Size 28" L x 12" W Wedge 6" at back to 2.5" at front tips	X-Large Size 29" L x 18" W Wedge 8" at back to 3" at front tips
Person's Weight	90 to 160 pounds	161 to 350 pounds	351 to 500 pounds
Person's Height	4'10" to 6'5"		
Material	<ul style="list-style-type: none"> High-resolution, medium-density polyurethane foam Latex-free 		
Cover	<ul style="list-style-type: none"> Top: Chemflex II® polyester knit "gurney pad" fabric Bottom: Skid-resistant and waterproof Chemflex II® Fabric Specifications: <ul style="list-style-type: none"> Moisture tolerance: Proof resistant to 150 lbs. per square inch Moisture vapor exchange: (breathability) 194 G/m2/24hr (soft feel, skin safe) Treatment: Antimicrobial-treated, hypoallergenic Durability: (Fed St 191 5134, 5100) Tear Strength W-15 F-9.5; Break Strength: W-136, F-69+ Construction: Fine stitch fixed. Contains no metals, no zippers 		
Disinfect	<p>This product is reusable. Antimicrobially treated to inhibit colonization. Wipe or rinse to clean and between uses. Compatible with bleach, hydrogen peroxide, chlorhexidine- and alcohol-based disinfectants, or soap and water. Do not machine wash. Do not submerge. Discard if cover damaged or contamination is suspected. We recommend discarding after use in COVID-19 isolation.</p>		

For best results, place cushion under incontinence pads and over slide/boost sheets.

Please see "How to Place" and "How to Clean" instructions for details.

Ordering	www.jewellnursingsolutions.com , www.bedsorerescue.com Or call (650) 294-8557 Bulk pricing available
Guarantee & Warranty	6-month warranty for materials and construction under normal wear and tear. Excludes damage from sharp objects, corrosive fluids, submersion in fluids (laundering, tubs), and exposure to temperatures >200 degrees.

Meets flammability requirements of electronic and appliance repair, home furnishing, and thermal insulation technical bulletin 117-2013
 Contains NO added flame-retardant chemicals

Jewell Nursing Solutions is a nurse-owned and operated company dedicated to bringing effective pressure injury prevention products and services to the entire caregiving community. The BackBone™ is proudly designed, patented, and trademarked by Jewell Nursing Solutions, a Certified Woman-Owned Business, celebrating over a decade of helping prevent pressure injuries. Made in the USA by certified manufacturer reg #CA39930 (IL). Distributed by Jewell Nursing Solutions. Copyright 2023. All rights reserved. (The BackBone™ is marketed as The Bedsore Rescue™ cushion to the public sector.)