Surfaces, Pads & Gels
Allen® Perioperative Surfaces & Pads

Allen Medical offers a variety of pads to fit your standard OR tables and armboards. Allen has over 10 years of experience in the area of pressure management. The engineered foams in our OR table pads were cutting edge when first developed and our products have remained at the forefront of technological innovation ever since – with new radiolucent foam formulations and multi-density pad layups.

Why OR Table Surfaces Matter...

Healthcare professionals are implementing new prevention initiatives and standards for pressure injury prevention.

From a surge in recent research pertaining to pressure injuries to the Medicare Guidelines that took effect in October 2008, the issue of hospital-acquired pressure injuries is a popular topic for many healthcare professionals. Additionally, professional organizations like AORN and NPUAP are critical to advancing awareness of the issue through their release of new standards and practices to help prevent and treat hospital-acquired pressure injuries.

• Static surfaces increase surface support areas and decrease pressures and shear forces.4

• Old-fashioned “egg crate” mattresses offer no advantage.4

• A study of 1,128 surgical patients, revealed the incidence of nosocomial pressure ulcers related to the operating room (OR) was 23%.5

• A multi-layer pressure redistribution surface was found to be statistically significant in reducing pressure ulcer incidence when compared with the “Standard” OR table pad.5

• Surgical patients account for 34-42% of all hospital-acquired pressure ulcers.2

• In an experiment involving 323 patients between 2000 and 2004, 38% of patients who had the standard pad during surgery developed the sores. But only 7% of patients who had the pressure-relieving pad developed pressure ulcers.7

• Various studies have suggested that pressure ulcers may occur within a 1 to 4 hour time frame, well within the range of current surgical procedures.6

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5. Lummus AC. Perioperative Pressure Ulcer Assessment and Prevention Efficacy Study of a Multi-Layer Pressure Relief Pad in the Operating Room (OR). University of Tennessee Health Science Center. 2004.
Allen® Surfaces Technology

No Single Foam Provides Effective Pressure Management...

Allen Uses 4 Foams For Effective Pressure Management

Optimal pressure management requires a pad that is effective in four main support functions: 1-conforming to the patient’s body, 2-providing proper support, 3-prohibiting bony prominences from bottoming out and 4-evening out irregularities and gaps in the table surface.

No single foam can support all four functions effectively. Listed below are the 4 foams Allen has proven effective to provide optimal pressure management in a single pad.

1. Memory Foam
   Conforming layer

2. Low Density Elastic Foam
   Support layer

3. High Density Elastic Foam
   Anti-bottoming layer

4. Closed Cell Foam
   Diaphragm layer

“Neither the position of the patient, nor the time spent on the OR bed can be altered easily during surgery. Varying the type of pressure-reducing mattress may be the most appropriate method to prevent pressure ulcers during the perioperative period.”

- Alexander’s Care of the Patient in Surgery, 13th Edition

Allen Perioperative Surfaces: Pressure Maps

Model: Female
Weight: 117 lbs (53 kg)
Height: 63" (160 cm)

Model: Male
Weight: 180 lbs (82 kg)
Height: 68" (173 cm)

Model: Male
Weight: 300 lbs (136 kg)
Height: 73" (185 cm)

Astrus Elite

Deluxe

Standard

Astrus Elite

Deluxe

Standard

Astrus Elite

Deluxe

Standard

Relative Pressure (mm Hg)
The Allen® Pressure Management Solution

Allen Pads Contain Multiple Foam Layers For Optimal Pressure Management

Astrus Elite™ Surface

**Effective Pressure Management** Our Astrus Elite Surface has a 4-layer foam composite construction that protects patients in four ways. A top layer of memory foam conforms to the patient while the underlying foam layers support the patient’s weight and prevent bottoming out.

Allen Surfaces Selector Chart

<table>
<thead>
<tr>
<th>Foam Layers</th>
<th>Benefits</th>
<th>Pad Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conforming Layer</td>
<td>Support Layer</td>
<td>Anti-bottoming Layer</td>
</tr>
<tr>
<td>OR Table Surfaces</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Armboard Surfaces</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>OR Table Surfaces</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Armboard Surfaces</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

Astrus Elite

Armboard Surfaces

Standard & Deluxe

Armboard Surfaces
Astrus Elite™ Surfaces

Effective Pressure Management Our Astrus Elite Surfaces have a 4-layer foam composite construction that helps protect patients four ways. A top layer of conforming foam molds to your patients’ anatomy. The pressure displacement foam middle layer transfers pressure off the bony prominences and the closed cell foam bottom layer prevents bottoming out. The anti-shear cover helps protect patient’s skin. Offered with integral gel layer (gray bottom) or without (black bottom.) Available in 3” (7.6 cm) and 4” (10 cm). Velcro® kit included. Non-conductive.

Standard & Deluxe Surfaces

Standard Surfaces: Our conductive Standard Surface is equivalent to the pads that are typically provided with new surgical tables. It combines supportive urethane foam with a ‘Lectrolite® cover.

Deluxe Surfaces: Our conductive Deluxe Surface features supportive foam and a stretchable cover for added patient comfort. Recommended for use during shorter procedures and with patients who are determined to be at lower risk for developing pressure injuries. Velcro® kit included.

Astrus Elite & Standard Surface: Pressure Mapping Results

Model: Female
Weight: 205 lbs
Height: 66”
### Astrus Elite™ OR Table Pad Sets

#### Standard & Deluxe OR Table Pad Sets

<table>
<thead>
<tr>
<th>OR Table Manufacturer / Model Name</th>
<th>Product No.</th>
<th>Product No.</th>
<th>Product No.</th>
<th>Product No.</th>
</tr>
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<tbody>
<tr>
<td>Berchtold B810, B710</td>
<td>H-303-12-100</td>
<td>n/a</td>
<td>H-201-12-100</td>
<td>H-202-12-100</td>
</tr>
<tr>
<td>Berchtold Operon D850, D750 (long foot)</td>
<td>H-303-12-120</td>
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<tr>
<td>Berchtold Operon D850, D750 (short foot)</td>
<td>H-303-12-130</td>
<td>n/a</td>
<td>H-201-12-130</td>
<td>H-202-12-130</td>
</tr>
<tr>
<td>Getinge / Shampaine 5100B, 5100E</td>
<td>H-303-04-130</td>
<td>H-403-04-130</td>
<td>H-201-04-130</td>
<td>n/a</td>
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<tr>
<td>Skytron 3100</td>
<td>H-303-05-100</td>
<td>H-403-05-100</td>
<td>n/a</td>
<td>H-202-05-100</td>
</tr>
<tr>
<td>Skytron 3600</td>
<td>H-303-05-190</td>
<td>H-403-05-190</td>
<td>H-201-05-190</td>
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<tr>
<td>Steris-Amsco 1080, 2080</td>
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<td>H-201-03-100</td>
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<td>Steris Cmax / Steris 4085</td>
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<td>H-403-03-150</td>
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<td>Steris SurgiGraphic 6000</td>
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<td>n/a</td>
<td>H-201-03-170</td>
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</tr>
</tbody>
</table>

Note: Pad products, including gel pads, FlexiForm™, Allen® Hug-U-Vac® and foam positioners, returned within thirty (30) days of the invoice date are subject to a 20% restocking fee.
OR Table Pad Sizing Chart

Berchtold B810, B710

Berchtold D850, D750 (long foot)

Berchtold D850, D750 (short foot)

Getinge / Shampaine 4900B

Maquet 1130

Maquet 1130 Split Leg

Maquet 1130 Orthopedic

Maquet Alphastar 1132

Maquet Alphammaxx (long torso)

Maquet Alphammaxx (short torso)

Maquet 1130

Midmark 7100

Midmark Chic CST
OR Table Pad Sizing Chart

Midmark Montreal

Siemens Universal

Skytron 5001 / 6001 / 6500 / 6600

Skytron 6700

Skytron 3500

Steris/Amsco 1080 / 2080

Steris/Amsco 3080 / 3085

Skytron 3600

Steris Cmax / Steris 4085
Choose Your Armboard Style

A

Fits armboard models:
• Allen® Japanese

B

Fits most armboard models:
• Getinge®
• MDT
• Maquet®
• Shampaine®

C

Fits most armboard models:
• Allen
• Schaerer Mayfield®
• Amisco®
• Siemens®
• Berchtold®
• Steris®

D

Fits armboard models:
• Skytron®

All armboard pads sold individually.
Astrus Elite™ Armboards Surfaces

Effective Pressure Management - Astrus Elite Surfaces have a 4-layer foam composite construction that helps protect patients four ways. Allen® armboard surfaces are available for armboards in both regular and contoured styles. Allen contoured armboard surface rounds up at the sides an extra .5” (1.3 cm) for increased stability.

All armboard pads sold individually.

### Standard Surfaces

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Product No.</th>
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</thead>
<tbody>
<tr>
<td>H-303-03-950</td>
<td>H-403-03-950</td>
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<tr>
<td>H-303-10-950</td>
<td>H-403-10-950</td>
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<tr>
<td>H-303-04-950</td>
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<tr>
<td>H-303-05-950</td>
<td>H-403-05-950</td>
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### Contoured Surfaces

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<th>Product No.</th>
<th>Product No.</th>
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<tr>
<td>H-303-04-960</td>
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</tr>
<tr>
<td>H-303-05-960</td>
<td>H-403-05-960</td>
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</tbody>
</table>

### Standard & Deluxe Armboards Surfaces

**Deluxe Surfaces:** Recommended for use during shorter procedures and with patients who are determined to be at lower risk for developing pressure injuries. Velcro® kit included.

**Standard Surfaces:** Our conductive Standard Surface is equivalent to the pads that are typically provided with new surgical tables.

All armboard pads sold individually.

### Standard - Order Info

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<th>Product No.</th>
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<tr>
<td>H-201-10-950</td>
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<tr>
<td>H-201-05-950</td>
<td>H-301-05-950</td>
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</table>

### Deluxe - Order Info

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<th>Product No.</th>
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<tbody>
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<td>H-202-03-950</td>
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<tr>
<td>H-202-10-950</td>
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<td>H-302-05-950</td>
</tr>
</tbody>
</table>
Allen® Gel Positioners

Features

• Constructed with an advanced silicone formula designed to help with pressure redistribution
• Flexible membrane cover
• Will not absorb body fluids or odors
• Radiolucent

Armboard & Toboggan Pads

Small Armboard Gel Pad
15.5" x 4.5" x .375"
(395 x 115 x 10 mm)
#A-10105 (sold individually)

Large Armboard Gel Pad
23.625" x 5" x .375"
(600 x 125 x 10 mm)
#A-10032 (sold individually)

Allen® Armboard Gel Pad
23.625" x 8" x .375"
(600 x 200 x 10 mm)
#A-10035 (sold individually)

Allen Premium Armboard Gel Pad - Short
13" x 5.5" x 1.2"
(330 x 140 x 30 mm)
#A-10036 (sold individually)

Allen Premium Armboard Gel Pad - Long
18.5" x 7" x 1.5"
(460 x 180 x 35 mm)
#A-10037 (sold individually)

Toboggan Gel Pad
15.5" x 10" x .375"
(395 x 245 x 10 mm)
#A-10029 (sold in pairs)
Head Positioners

Adult Head Gel Donut
8" Outer Diameter x 2"
(200 x 50 mm)
#A-10031 (sold individually)

Pediatric Head Gel Donut
3.5" Outer Diameter x .75"
(90 x 20 mm)
#A-10103 (sold individually)

Adult Gel Horseshoe
8" Outer Diameter x 3"
(200 x 75 mm)
#A-10104 (sold individually)

Allen® Prone Head Positioner - Large
11" x 9.5" x 5.5"
(280 x 240 x 140 mm)
#A-10038 (sold individually)

Allen Prone Head Positioner - Small
11" x 9" x 5.5"
(273 x 220 x 135 mm)
#A-10039 (sold individually)

Allen Silicone Head Positioner
8" x 10"
(203 x 254 mm)
#A-10045 (sold individually)

Knee Pads Continued On Page 126

Small Knee Crutch Gel Pad
12.625" x 8.625" x .375"
(320 x 220 x 10 mm)
#A-10070 (sold in pairs)

Medium Knee Crutch Gel Pad
15.5" x 10" x .375"
(395 x 254 x 10 mm)
#A-10029 (sold in pairs)

Allen® Prone Knee Pad - Long
20.5" x 6" x 1.5"
(510 x 150 x 35 mm)
#A-10040 (sold individually)
Knee Pads Continued

Allen Prone Knee Pad - Short
16” x 6” x 1.5”
(400 x 150 x 35 mm)
#A-10041 (sold individually)

Nerve & Heel Protectors

Large Ulnar Nerve Gel Elbow Pad With Velcro Straps
18” x 8.25” x .313”
(460 x 210 x 8 mm)
#A-10066 (sold individually)

Foot-Heel Gel Pad With Velcro Straps
.375” x 3.75” x 4.5”
(10 x 95 x 114 mm)
#A-10067 (sold in pairs)

Positioners

Heel Protector Gel Pad With Velcro Straps
9” x 7.875” x .875”
(230 x 200 x 20 mm)
#A-10068 (sold in pairs)

“Sandbag” Gel Positioner
Small: 12” x 4.75” x 2.375” (300 x 120 x 60 mm),
Large: 14” x 5” x 2.75” (360 x 125 x 70 mm)
#A-10073 (Small) (sold individually)
#A-10074 (Large) (sold individually)

Chest Roll Gel Positioner
12” x 4” x 3” (305 x 100 x 75 mm), 16” x 4” x 3”
(405 x 100 x 75 mm), 20” x 4” x 3” (510 x 100 x 75 mm)
#A-10076 (sold individually)
#A-10078 (sold individually)
#A-10080 (sold individually)

Chest Roll Gel Positioner With Foam Core
16” x 6” x 6” (405 x 150 x 150 mm),
20” x 6” x 6” (510 x 150 x 150 mm)
#A-10097 (sold individually)
#A-10098 (sold individually)

Allen® Prone Gel Positioner
44.5” x 21” x 5.5”
(1115 x 520 x 140 mm)
#A-10044 (sold individually)

Allen Lateral Gel Positioner
29” x 20” x 6.5”
(720 x 500 x 160 mm)
#A-10043 (sold individually)
Positioners Continued

Allen Lateral Leg Positioner
26” x 16” x 9”
(650 x 400 x 230 mm)
#A-10042 (sold individually)

Head Section Gel Pad
9” x 20” x .375”
(225 x 500 x 10 mm)
#A-10034H (sold individually)

Torso Section Gel Pad With Cutout
39” x 20” x .375”
(990 x 500 x 10 mm)
#A-10034T (sold individually)

Foot Section Gel Pad
19” x 20” x .375”
(500 x 500 x 10 mm)
#A-10034F (sold individually)

3/4 Length: 45.25” x 20.5” x .375” (1150 x 520 x 10 mm),
Full Length: 71” x 20.5” x .375” (1800 x 520 x 10 mm)
#A-10060 (3/4 Length) Table Gel Pad
#A-10061 (Full Length) Table Gel Pad
(#A-10060 & #A-10061 are sold individually)
Lateral Positioning

A #A-10043 Allen® Lateral Gel Positioner  
B #A-10066 Large Ulnar Nerve Gel Elbow Pad w/ Velcro® straps  
C #A-10037 Allen Premium Armboard Gel Pad - Long  
D #A-10029 Toboggan Gel Pad  
E #A-10042 Allen Lateral Leg Positioner

Prone Positioning

A #A-10040 Allen Prone Knee Pad - Long  
B #A-10097 Chest Roll Gel Positioner w/ Foam Core  
C #A-10044 Allen Prone Gel Positioner  
D #A-10038 Allen Prone Head Positioner - Large  
E #A-10037 Allen Premium Armboard Gel Pad - Long