



2023 Catalog

# Passion for Patient Safety in the Surgical Suite™

Featuring NO-SLIDE™ Trendelenburg positioning  
for MIS & Robotic Surgery



- **Patients DO NOT Slide**

The patented bolster is snug in the concavity of the neck, in contact with the trapezius muscle, and is clinically proven<sup>1</sup> to stop patient sliding.

- **No Shoulder Braces**

Foam lateral stabilizing pillows are non-structural. They help control body mass shift and alignment during transition from supine into steep Trendelenburg.

- **Versatile**

Secures patients from 90 lb | 41 kg to 550 lb | 250 kg in steep Trendelenburg up to 40°.

- **Easy to Use**

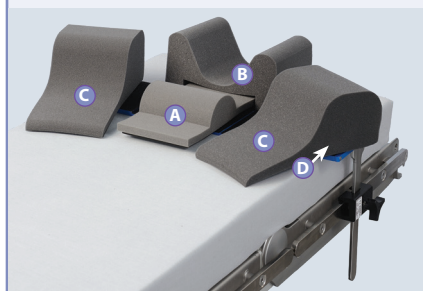
You can set up the equipment and patient in about *three minutes*. Reposition patients easily.

- **Compatible**

Accommodates under-patient accessories including air transfer devices, patient-warming, and grounding pads.



TrenGuard is comprised of components that attach to a metal frame, which clamps to OR table accessory rails.



- A Patented bolster
- B Soft head stabilizing pillow
- C Soft lateral stabilizing pillows
- D TrenGuard Patient Support Frame

## Over 500,000 procedures with no attributed patient sliding or post-operative pain<sup>2</sup>

<sup>1</sup>Barber, Jan, BSN, RN, "Preventing Patient Sliding in Steep Trendelenburg," OR Manager Conference, Sept, 2016.

<sup>2</sup>Post market surveillance.



## “With TrenGuard, patients don’t slide.”

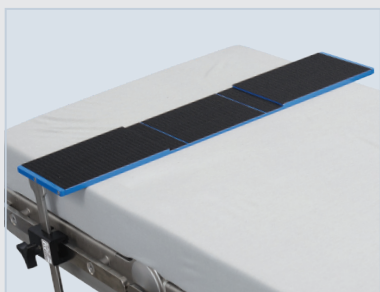
Dr. “Mini” Somasundaram, MD, GYN Robotics Surgeon, Columbus, Ohio

### Patient Safety for MIS & Robotic Surgery

It is a safety imperative that patients do not slide during robotic surgery. As described by Dr. Ghomi<sup>3</sup>, patient slippage during the use of fixed robotic trocars creates a serious potential for patient risk, as it can cause incisional tear, postoperative hernia formation, and increased postoperative pain secondary to over-stretching of the anterior abdominal wall.

<sup>3</sup>Ghomi, A MD, “Robotics in practice: New angles on safer positioning,” [Contemporary OB/GYN](#), Oct. 1, 2012.





## TrenGuard Patient Support Frame

- Compatible with all TrenGuard products
- Secures to table with blade-style rail clamps
- Use with TrenGuard procedure packs to support patients in extreme Trendelenburg up to 40°
- Standard Frame fits OR table rail-to-rail width up to 24.0 in | 60.9 cm
- Wide Frame fits OR table rail-to-rail width up to 27.5 in | 69.8 cm



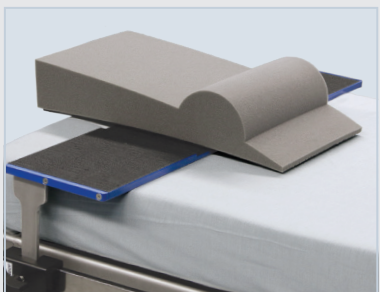
## TrenGuard Dynamic Patient Support Frame

- Swivel legs enable frame to be positioned after patient transfer and atop under-patient:
  - warming/cooling systems
  - air assisted lateral transfer devices
  - pressure management surfaces
  - grounding pads
- Secures to table with socket-style rail clamps (sold separately)
- Frame fits OR table rail-to-rail width up to 23.8 in | 60.4 cm



## TrenGuard CLASSIC Packs

- Available in 5 sizes to support a variety of patients from newborn, up to 550 lb | 250 kg
- Bolster keeps patients from sliding
- No shoulder braces
- Lateral stabilizing pillows control body mass shift



## TrenGuard Wedge Packs

- Developed for patients with cervical fusions, arthritis, or otherwise present with an indiscernible cervical notch
- Increases the bolster's ability to prevent patient sliding for patients with BMI over 30
- Available in Solo, CLASSIC, or **HYBRID** Packs in 2 sizes for patients weighing 90 lb | 40 kg to 550 lb | 250 kg

## GO GREEN with TrenGuard® HYBRID

**HYBRID** versions of TrenGuard Trendelenburg Restraint utilize reusable lateral stabilizing pillows in order to lower procedural costs, improve operative efficiency, reduce medical waste, and minimize required storage space.



### TrenGuard **HYBRID** Lateral Stabilizing Pillows

- Non-structural lateral stabilizing pillows are washable & reusable
- Each set can be used up to 500 times before replacement is recommended
- Use with TrenGuard **HYBRID** Packs



### TrenGuard **HYBRID** Packs

- Lower cost per procedure
- Less medical waste, less storage space required
- Use with Multi-Use **HYBRID** Lateral Stabilizing Pillows
- Available with standard bolster or Wedge in 2 sizes for patients weighing 90 lb | 40 kg to 550 lb | 250 kg



### Blade-Style Rail Clamp

Use with TrenGuard Standard and Wide Frames, ArmGuard Rail-Mounted Sled, FaceGuard, and other accessories with flat, 1.0 x 0.375 in | 2.5 x 0.95 cm mounting blades



### Socket-Style Rail Clamp

Use with TrenGuard Dynamic Frame and other accessories with round, 0.625 in | 1.6 cm diameter mounting posts rated for > 550 lb | 250 kg

# ArmGuard™

## Patient Arm Protector

ArmGuard is the optimal choice for securing patient arms in the supine position. AORN cautioned against tucking arms at their sides with the draw sheet. ArmGuard Patient Arm Protector provides two options for safe and efficient arms-to-side positioning.

- The ArmGuard pad system provides emergency access for purging ports and tracing lines
- Simple and easy setup
- Arm compression is easily controlled
- Low-profile sleds minimize interference with robot arms
- Each style accommodates all ArmGuard Packs



515 lb | 234 kg model shown with ArmGuard Bariatric sled, BASIC ArmGuard Pack pad, and Width Extender accessory pad.



160 lb | 73 kg model shown with ArmGuard Rail-Mounted sled and ArmGuard STANDARD Pack pad, which covers the hands and fingers.

### • Easy line access

ArmGuard features a gap that grants immediate access to antecubital ports and lines. Straps allow quick and easy access to the entire length of the arm.

### • Control arm compression

Width-adjustable to accommodate a broad range of patients.

### • Rail-Mounted

Rail-Mounted ArmGuard sleds aid in supporting patients in lateral tilt of no more than 15°. Useful for colorectal surgery and other procedures.

### • Robotic surgery

Low-profile sleds are comfortable for bedside assistant and prevent clashing with robotic arms.



## ArmGuard Classic Sled Kit

- Low-profile for maximum surgical access
- Includes two Standard Sleds and two Bariatric Sleds
- Used with all ArmGuard Procedure Packs



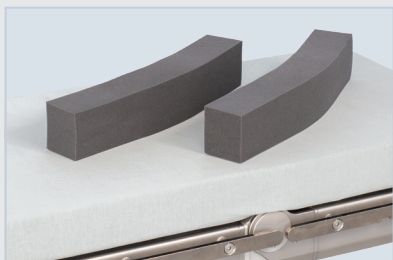
## ArmGuard Rail-Mounted Sled Kit

- Low-profile for maximum surgical access
- Width-adjustable to fit bariatric patients
- Aids in lateral tilt
- Secures to OR table accessory rail with blade-style rail clamps
- Used with all ArmGuard Procedure Packs



## ArmGuard Packs

- Available in BASIC and STANDARD lengths
- Secures arms without tucking
- Allows quick access to entire arm
- Completely covers hand
- Used with all ArmGuard Sled Kits



## ArmGuard Width Extender Packs

- Bariatric accessory pad for high-BMI patients
- Supports the patient's arm
- 2 sizes available to fit mattress thickness
- Used with Bariatric and Rail-Mounted ArmGuard Sled Kits

# FaceGuard™

Head Shield / Instrument Tray

- **Protects patient's face and airway**

FaceGuard ensures patient protection while providing a convenient surface for surgical instruments.

- **Fits all tables**

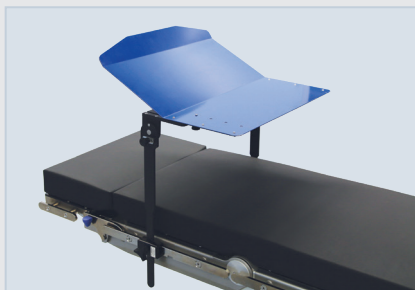
The frame is width-adjustable to fit all surgical table models.

- **Allows easy airway access**

Adjustable, sliding instrument tray can be quickly removed for emergencies.



- **Available in Dual-Angle or Flat Tray**



The Dual-Angle tray was designed to suit the needs of conventional laparoscopic and robotic surgeons, by offering a flat working surface in supine and Trendelenburg positions.



The Flat "Hold the Mayo" tray can be used for many supine and prone procedures such as cardiac, orthopedics, and specialties. Custom sizes and shapes upon request.

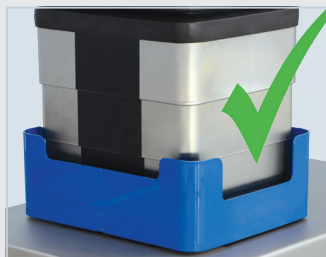
"I'm happy to **recommend FaceGuard** to my customers. The legs of the frame can be adjusted to fit wider OR tables and they can be clamped to the accessory rail toward anesthesia or toward the patient's chest, because the tray slides forward and back. **No other head shield device is as versatile!**"

*—Austin, Central Region OR Table Sales Representative*



# ShroudGuard™

OR Table Pedestal Protector



## Prevent *expensive* shroud damage and keep tables in service with **ShroudGuard**.

- Protects against damage caused by equipment left on table base
- Securely mounts with no modification to table; easily removed for cleaning
- Sturdy metal construction
- Thousands in place at hundreds of hospitals; here's what some of our customers have to say:

"... high-quality device ... **durable, easy to install and remove** for thorough cleaning with minimal effort. The money and time saved by preventing damages to bed columns and other equipment has paid for the ShroudGuard in full ... I would **highly recommend this product and company** ... "

—Robotic, Vascular Charge Nurse; St. Luke's

"We have **20 tables** at our regional trauma center. All are **protected by ShroudGuard**, which has proven to be very **effective in eliminating damage** to the shroud, **reducing cost and downtime** ... because of needless repairs."

—Glenn, OR Equipment Coordinator; Erie, PA

"... [with] ShroudGuard, we have had zero failures and zero damage ... **saved us at least \$100,000** ... **very easy to install and take off** for sanitation reasons. The staff in the OR love the system ... "

—Medical Systems Engineering Tech II; Summerlin Hospital Medical Center

"... **a true Godsend! ... Great invention!** "

—Biomedical Engineering; St. Alphonsus

# TrenGuard® Trendelenburg Patient Restraint

## TRENGUARD PATIENT SUPPORT FRAME

*Use with TrenGuard Packs and accessories including pediatric products*

*Requires 2 Rail Clamps, sold separately*

56100 TrenGuard Patient Support Frame

56400 TrenGuard Dynamic Patient Support Frame

## TRENGUARD CLASSIC PACKS (case of 12 each)

*Each Single-Use Pack Contains: "Bolster, Head Stabilizer Pillow, and Set of 2 Lateral Stabilizing Pillows*

*Use with Patient Support Frame*

55101 TrenGuard 450 CLASSIC Packs (maximum patient weight of 450 lb | 200 kg)

56101 TrenGuard 600 CLASSIC Packs (maximum patient weight of 550 lb | 250 kg)

57121 TrenGuard Pediatric Medium CLASSIC Packs (for 30-90 lb | 14-41 kg patients)

57122 TrenGuard Pediatric Small CLASSIC Packs (for 15-30 lb | 7-14 kg patients)

57123 TrenGuard Pediatric Infant CLASSIC Packs (for patients up to 15 lb | 7 kg)

## TRENGUARD CLASSIC WEDGE PACKS (case of 12 each)

*Each Single-Use Pack Contains: Wedge Bolster, Head Stabilizing Pillow, and Set of 2 Lateral Stabilizing Pillows*

55301 TrenGuard 450 CLASSIC Wedge Packs

56302 TrenGuard 600 CLASSIC Wedge Packs

## TRENGUARD SOLO WEDGE PACKS (case of 12 each)

*Each Single-Use Pack Contains: Wedge Bolster*

54612 TrenGuard 450 Solo Wedge Packs

54812 TrenGuard 600 Solo Wedge Packs

## TRENGUARD **HYBRID** REUSABLE LATERAL STABILIZING PILLOW

*Use with Single-Use **HYBRID** Packs & Patient Support Frame*

55251 TrenGuard 450 **HYBRID** Reusable Lateral Stabilizing Pillow

56251 TrenGuard 600 **HYBRID** Reusable Lateral Stabilizing Pillow

## TRENGUARD **HYBRID** PACKS (case of 12 each)

*Each Single-Use Pack Contains: Bolster and Head Stabilizing Pillow*

*Use with **HYBRID** Reusable Lateral Stabilizing Pillows & Patient Support Frame*

55201 TrenGuard 450 **HYBRID** Packs

56201 TrenGuard 600 **HYBRID** Packs

## TRENGUARD **HYBRID** WEDGE PACKS (case of 12 each)

*Each Single-Use Pack Contains: Wedge Bolster and Head Stabilizing Pillow*

*Use with Reusable **HYBRID** Lateral Stabilizing Pillows & Patient Support Frame*

55401 TrenGuard 450 **HYBRID** Wedge Packs

56401 TrenGuard 600 **HYBRID** Wedge Packs

## ArmGuard® Patient Arm Protector

**ARMGUARD CLASSIC SLED KIT (Kit of 4 Sleds- 2 each Standard, 2 each Bariatric)**

*Use with ArmGuard Packs and accessories*

**40004 ArmGuard Classic Sled Kit**

**ARMGUARD RAIL-MOUNTED SLED**

*Use with ArmGuard Packs and Accessories*

*Requires 2 Rail Clamps (sold separately)*

**40018 ArmGuard Rail-Mounted Sled**

**ARMGUARD PACKS (Case of 12 each)**

*Each Single-Use Pack Contains: Set of 2 ArmGuard Patient Arm Protector pads*

*Use with ArmGuard Sled Kit or ArmGuard Rail-Mounted Sleds*

**40412 ArmGuard STANDARD Packs (24 in | 61 cm long)**

**40101 ArmGuard BASIC Packs (20 in | 51 cm long)**

**ARMGUARD WIDTH EXTENDER PACKS (Case of 12 each)**

*Each Single-Use Pack Contains: Set of 2 ArmGuard Width Extender pads*

*Use with ArmGuard Packs, ArmGuard Sled Kit, ArmGuard Rail-Mounted Sleds*

**40206 ArmGuard Width Extender pads for table mattresses up to 3 in | 7.6 cm**

**40207 ArmGuard XL Width Extender pads for table mattresses up to 4 in | 10.2 cm.**

### ACCESSORIES

**BD-RC Blade-Style Rail Clamp**

**BD-CS Socket-Style Rail Clamp**

## FaceGuard® Patient Head Shield and Instrument Tray

**FACEGUARD HEAD SHIELD & INSTRUMENT TRAY**

*Use with 2 Rail Clamps (sold separately)*

**60701 FaceGuard Dual-Angle Head Shield / Instrument Tray**

**60702 FaceGuard Flat Head Shield / Instrument Tray**

**60703 FaceGuard Combo Dual-Angle and Flat Trays**

## ShroudGuard® OR Table Pedestal Protector

**SHROUDGUARD OR TABLE PEDESTAL PROTECTOR**

*Additional models available upon request*

**37110 ShroudGuard Surround 7000 - fits Trumpf® 7000/7000dv**

**37303 ShroudGuard Surround MPB3 - fits Merivaara Promerix™ B3**



**D. A. Surgical**  
11110 Kinsman Rd Ste 50  
Newbury OH 44065

## About D. A. Surgical

D. A. Surgical develops and markets innovative solutions that aid in creating a safer environment in the operating room for patients, staff, and equipment.

D. A. Surgical was founded by our president Dan Allen, who is well known as the inventor of the Allen® Stirrup (the original boot-style surgical stirrup) and the retired founder of Allen Medical.

Having dedicated more than forty years to the study of anatomy and physiology relating to surgical patient posturing and positioning, Dan has become a respected pioneer and product designer of quality of care devices that continue to be used every day in operating rooms around the globe.

Visit [www.da-surgical.com](http://www.da-surgical.com) for more details on these devices which improve patient safety and increase operating efficiencies.

*\*Dan Allen is no longer affiliated with Allen Medical Systems, Inc.  
ALLEN® is a registered trademark of Allen Medical Systems, Inc.*

## Passion for Patient Safety in the Surgical Suite™

- We exist to eliminate operating room acquired patient positioning injuries.
- We do this by investing in partnerships to design and deliver innovative patient positioning devices for MIS and robotic surgery world-wide.

**[www.da-surgical.com](http://www.da-surgical.com)**

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L1059OA7 Rev10