





# Surgical Apparels



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**Surgical Apparels** 



## SURGICAL APPAREL

## **360° Infection Prevention Solutions | Surgical Apparel**

At Meril, our **Infection Prevention & Control Division** is dedicated to advancing infection prevention in surgical settings through our specialized **360° Infection Prevention Solutions**. Our Surgical Apparel is purpose-built to raise the standards of protection in **Operating Theatres (OTs)** and other critical care areas.

We are committed to mitigating infection risks associated with surgeries by delivering a robust, clinically validated portfolio that empowers healthcare professionals with **protection**, **confidence**, and **compliance** with **global safety standards**.

## **OUR PRODUCT PORTFOLIO**

► MAIRA<sup>™</sup> Surgical Gowns

Superior barrier protection with certified **AAMI Level 1 to 4** standards, ensuring optimal **safety**, **comfort**, **and breathability** for extended surgical procedures.

► MEVEL<sup>™</sup> Surgical Drapes

Precision-engineered sterile draping systems are designed to provide **comprehensive coverage and reliability** across a wide range of surgical interventions.

► MAYYA<sup>™</sup> Surgery-Specific Kits

Procedure-customized surgical kits that streamline workflows, enhance surgical efficiency, and reduce the risk of contamination through standardized, high-quality components.

- ► MAIRA<sup>™</sup> Surgical Caps
- ►MAIRA<sup>™</sup> Surgical Mask



## MAIRA™ SURGICAL GOWN

# **Advanced Protection. Trusted Comfort. Surgical Confidence.**



High Performance Breathable Gown



Meets AAMI level Standards



Made of Polypropylene SSMMS Fabric Hydrophobic



**ULTRASONIC TIE** 



**KNITTED CUFF** 



ULTRASONIC SEAM



COLLAR VELCRO
DESIGN



## **ENHANCED BARRIER PROTECTION**

- > Breathable fabric that resists fluid penetration and blood strike-through
- > Effective microbial penetration resistance for infection Prevention
- > Ultrasonically sealed seams for enhanced durability and fluid protection

## **SAFE FOR SKIN**

Certified free from skin irritation, sensitization, and cytotoxicity for patient and user safety

## **CUSTOM FIT**

Equipped with Velcro hook and loop closures for an adjustable neckline to ensure a personalized fit.

## **VIRTUALLY LINT-FREE**

### Breathability

Advanced moisture vapor transmission allows for breathability compared to standard SMS gowns, keeping clinicians cool and comfortable

#### **Sterility & Packaging**

- ► EO Sterilized as per ISO 11135 standards
- > Book folded for aseptic handling and easy usage
- > Pouch is packed in certified and validated medical-grade packaging

## **FEATURES**



**ULTRASONIC TIE** 



ULTRASONIC SEAM



WATER REPELLANT





**KNITTED CUFF** 



COLLAR VELCRO DESIGN



MEETS AAMI LEVEL STANDARD

## MAIRA™ Surgical Gown Variants

#### MAIRA™ ISOLATION GOWN

#### Lightweight Protection. Everyday Confidence.

#### **MAIRATM**

Isolation Gowns are designed to provide essential protection for healthcare professionals in low-risk environments.

#### > Standard Specification

Type - Isolation Gown

Material - 35 GSM SMS Medical Textiles

Color - Blue

**AAMI Level - 1** 

Design - Straight Shoulders - Velcro Neck

Units Per Case - 10 Pcs

Sterilization - EO Sterile



Size	Length	Width
L	124 cm	160 cm
XL	134 cm	160 cm
XXL	144 cm	160 cm
XXXL	150 cm	160 cm

#### MAIRA™ STANDARD GOWN

#### > Reliable Protection. Everyday Performance.

#### **MAIRATM**

Standard Gowns are designed to meet the needs of healthcare professionals in procedures involving low to moderate fluid exposure.

## Standard Specification

Type - Standard Gown

Material - 43 GSM, SMS Medical Textiles

Color - Blue

AAMI Level - 2

Design - Straight Shoulders - Velcro Neck

Cuff - Elastic Cuff

Sterilization - EO Sterile

Units Per Case - 10 Pcs



Size	Length	Width
L	124 cm	160 cm
XL	134 cm	160 cm
XXL	144 cm	160 cm
XXXL	150 cm	160 cm

#### MAIRA™ REINFORCED GOWNS

#### > Extra Protection Where It Matters Most.

#### **MAIRATM**

Reinforced Gowns are designed for procedures involving moderate fluid exposure, offering AAMI Level 3 protection. The gowns combine strength, comfort, and targeted safety to meet the needs of high-demand clinical settings.

### > Standard Specification

**Type - Reinforced Gowns** 

**Material -** 43 GSM, SMS Medical-grade textiles, Reinforced in Critical Zone

Color - Blue

AAMI Level - 3

**Design -** Straight Shoulders - Velcro Neck

Cuff - Elastic Cuff

Sterilization - EO Sterile

Units Per Case - 10 Pcs



Size	Length	Width
L	124 cm	160 cm
XL	134 cm	160 cm
XXL	144 cm	160 cm
XXXL	150 cm	160 cm

#### MAIRA™ FULLY REINFORCED GOWN

### **Defining Protection. Delivering Assurance.**

#### **MAIRATM**

Fully Reinforced Gowns set a new benchmark in surgical apparel protection. Built on a 43 GSM SMS base fabric, these gowns are entirely reinforced from collar to hemline and across full sleeves with a **30 GSM highly breathable film**, delivering AAMI Level 4 protection.

#### Standard Specification

**Type - Fully Reinforced Gowns** 

Material - 43 GSM, SMS Medical-grade textiles,

Reinforced in Critical Zone (Sleeves, Chest, and Arm Pit)

Color - Blue

**AAMI Level - 4** 

**Design -** Straight Shoulders - Velcro Neck

Cuff - Elastic Cuff

Sterilization - EO Sterile

Ideal Applications - Cardiovascular, Orthopaedic,

high fluid exposure Cases

Units Per Case - 10 Pcs



Size	Length	Width
L	124 cm	160 cm
XL	134 cm	160 cm
XXL	144 cm	160 cm
XXXL	150 cm	160 cm

### MAIRA<sup>™</sup> PRO SURGICAL PREMIERE GOWN

#### **▶** Ultimate Protection. Professional Confidence.

#### **MAIRATM**

The MAIRA™ PRO is built for the highest-risk surgical environments. With 60 GSM trilaminate fabric and AAMI Level 4 certification, these gowns provide maximum fluid and pathogen protection without compromising comfort.

#### > Standard Specification

**Type - Pro Surgical Premiere Gowns** 

Material - 60 GSM, trilaminate Medical-grade textiles

Color - Blue

**AAMI Level - 4** 

Design - Straight Shoulders - Velcro Neck

Cuff - Elastic Cuff

Sterilization - EO Sterile

Ideal Applications - Cardiovascular, Orthopaedic,

high fluid exposure Cases

Units Per Case - 10 Pcs



Size	Length	Width
L	124 cm	160 cm
XL	134 cm	160 cm
XXL	144 cm	160 cm
XXXL	150 cm	160 cm

#### MAIRA™ BREATHABLE / BVB SUPREME GOWN

#### **▶** The Right Balance Between Comfort & Safety.

#### **MAIRATM**

Breathable Gowns are designed with 51 GSM advanced fabric, delivering the highest protection (AAMI Level 4) while ensuring all-day comfort. Built with Breathable Viral Barrier (BVB) film technology.

#### > Standard Specification

Type - Breathable / BVB Supreme Gown

Material - 51 GSM, SMS Medical-grade textiles,

with Breathable Viral Barrier (BVB) film technology

Color - Blue

**AAMI Level - 4** 

Design - Straight Shoulders - Velcro Neck

Cuff - Elastic Cuff

Sterilization - EO Sterile

Ideal Applications - Cardiovascular, Orthopaedic,

high fluid exposure Cases

Unit Per Case - 10 Pcs

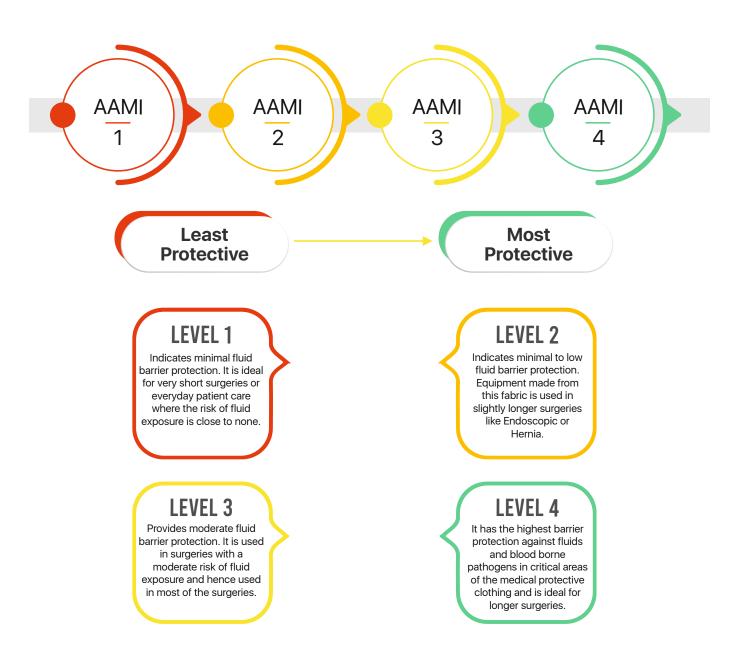


Size	Length	Width
L	124 cm	160 cm
XL	134 cm	160 cm
XXL	144 cm	160 cm
XXXL	150 cm	160 cm

## **UNDERSTAND THE AAMI LEVEL GUIDELINES**

## **ANSI/AAMI PB70:2012 - Liquid Barrier Performance.**

The AAMI Level Standards define the barrier performance requirements of surgical gowns, drapes, and other protective apparel. These standards enable healthcare providers to select the appropriate level of protection based on the expected fluid exposure and associated infection risk of medical procedures.



{\*AAMI - ASSOCIATION FOR THE ADVANCEMENT OF MEDICAL INSTRUMENTATION}

{\*ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE}

AAMI Level	Protection Level	Typical Use	Fluid Resistance	Test performed
Level 1	Minimal Protection	For general patient care or simple examination procedures, where minimal fluid exposure is anticipated	Limited resistance to fluids like water or blood	Impact Penetration Test (ISO 22610) Barrier Protection Test (ASTM F1670)
Level 2	Low to Moderate Protection	Suitable for procedures where there is a low to moderate risk of fluid exposure, such as during blood draws, suturing, or minor surgeries	Moderate resistance to fluids and penetration	Impact Penetration Test (ISO 22610) Barrier Protection Test (ASTM F1670)
Level 3	Moderate to High Protection	Used for moderate to high-risk surgeries or procedures, such as orthopedic surgeries, catheterization, and diagnostic testing, where moderate fluid exposure is expected	High resistance to fluid splashes and penetration	Impact Penetration Test (ISO 22610) Barrier Protection Test (ASTM F1670) Water Pressure Test (AAMI PB70) Blood Penetration Test (ASTM F1670)
Level 4	High Protection	For high-risk procedures involving high fluid exposure, such as trauma surgeries, organ transplants, and dealing with infectious disease patients, where the risk of contamination is severe	Maximum resistance to fluid penetration, ensuring complete protection in critical settings	Impact Penetration Test (ISO 22610) Barrier Protection Test (ASTM F1670) Water Pressure Test (AAMI PB70) Blood Penetration Test (ASTM F1670) Cyclic Testing (AAMI/ANSI Pb70)



# Maira

## MAIRA™ SURGICAL CAP

## Secure. Sterile. Comfortable.



MAIRA Surgical Cap is a high-quality head covering designed for use in sterile surgical environments. It ensures comprehensive protection by containing hair and reducing microbial dispersion from the scalp and hair, thus contributing to a sterile field.

Feature	Description
Material	SMS (Spunbond-Meltblown-Spunbond) Non-woven Fabric
Weight	25-30 GSM
Design	Elasticated band for snug fit
Breathability	Air-permeable, minimizes sweating
Barrier Protection	Limits hair shedding and microbial contamination
Comfort Fit	Soft texture, skin-friendly
One Size Fits All	Universal fit with secure hold
Latex-Free	Reduces allergy risk
Colour Options	Standard Blue, White (custom colours optional)

## **BENEFITS**

- ➤ Infection Prevention: Prevents hair and scalp microbes from contaminating the sterile
- > Enhanced Comfort
- > Secure Fit
- > Hypoallergenic



MAIRA Surgical Cap

Pack Size
Available in a Pack of 50 Pcs
Sterilization – EO Sterilized



## MAIRA<sup>™</sup> BOUFFANT CAP

## Full Coverage, Maximum Protection, Ultimate Comfort.



The MAIRA™ Bouffant Cap is a soft, lightweight, and breathable head covering designed to fully encapsulate hair, reducing the risk of hair and microbial shedding in sterile and clean environments. Its roomy design accommodates various hair volumes, ensuring both comfort and infection Prevention.

Feature	Description
Material	Spunbond Polypropylene Non-woven Fabric
GSM Range	10-15 GSM (customizable)
Design	Pleated, Full-Coverage Circular Design
Elastic Band	Soft, non-binding elastic for secure yet gentle fit
Air Permeability	High breathability to reduce sweating
Universal Fit	Available in 18", 21", and 24" sizes
Latex-Free	Prevents latex allergy concerns
Color Options	Blue

## **BENEFITS**

- ➤ Enhanced Infection Prevention: Prevents hair and particulate contamination in sterile
- Comfort for Long Wear
- > Versatile Sizing
- Safe for All Users
- **>** Eeconomical



**MAIRA**<sup>™</sup> Bouffant Cap

## **Pack Size**

Pack of 50 Bouffant Caps

# Maira

## MAIRA™ SURGICAL MASK

## Breathe Easy. Stay Protected.



The MAIRA<sup>TM</sup> Surgical Mask is carefully engineered to provide effective respiratory protection for healthcare personnel, patients, and the general public. Designed to cover the nose and mouth, it filters airborne pathogens while allowing for comfortable, normal breathing. Suitable for use in the Operating Theatre (OT), isolation settings, and public health emergencies.

Feature	Description
Protection	Protects against pathogenic biological airborne particulates
Layer Construction	3-Layer Protection: Outer Hydrophobic Layer, Middle Meltblown Filter Layer, Inner Soft Absorbent Layer
Filtration Efficiency	≥98% Bacterial Filtration Efficiency (BFE)
Breathability	Low breathing resistance for comfort
Design	Pleated design for face coverage and easy adjustment
Attachment Type	Strong, soft tie attachments for a secure and adjustable fit
Nose Clip	Integrated, flexible nose piece for improved seal
Comfort	Soft inner lining is gentle on the skin
Usage	Disposable, single-use
Standard Compliance	Follows ASTM Level 2 / EN14683 Type IIR equivalent standards

## **BENEFITS**

- Optimal Protection: Filters airborne bacteria and particulates with high efficiency
- > Comfortable Fit
- > Skin-Friendly
- > Enhanced Breathability
- Versatile Applications



**MAIRA**<sup>™</sup> Surgical Mask

Pack Size
Pack of 50

## Mevel

## MEVEL<sup>™</sup> SURGICAL DRAPES

### Precision. Protection. Performance.

#### **Key Benefits of Our Drapes**

- > 100% Impermeable Complete protection against fluids
- > High Absorption Capacity & Speed Rapid absorption minimizes pooling
- Low Linting Maintains a sterile field by reducing particle contamination
- > Strong & Durable Built to withstand demanding surgical conditions
- > Soft Feel & Body Conformity Ensures patient comfort and secure draping
- Latex-Free Safe for latex-sensitive users and patients

## **ENHANCED FEATURES**

Royal Blue SSMMS Non Woven Drape Fabric: Reduces glare from operating lights, improving visibility

#### Clear Visual Contrast:

Differentiates drape fabric from reinforced areas for better orientation during procedures

#### > Standardized Reinforcement:

Critical zones reinforced with advanced materials for added protection

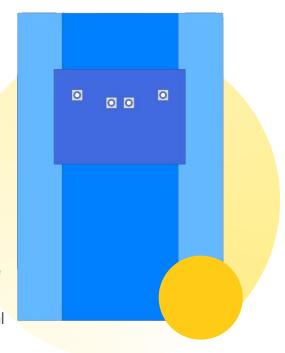
#### Consistent Look & Feel:

Offers clinicians a predictable and comfortable experience

#### Enhanced Sizing Options:

Expanded reinforcement sizing on select codes for optimal fit and coverage

**{\*SSMMS -** Spunbond Spunbond Meltblown Meltblown Spunbond}







# MEVEL<sup>™</sup> ORTHOPEDIC DRAPES

Mevel<sup>™</sup> Orthopedic Drapes are made from SSMMS non-woven fabric combined with absorbent non-woven layers. These drapes are designed to effectively isolate the surgical site from other areas of the patient's body and the non-sterile zones of the OR table, thereby helping to reduce the risk of surgical site infections (SSI). **Resistant to fluid penetration**, fluid concentration, and blood strike-through, **Free from skin irritation**, **sensitization**, **and cytotoxicity**, Resistant to **microbial penetration**, **Virtually lint-free** and **abrasion-resistant**. Drapes are **pouch-packed in certified and validated packs**, **Ethylene Oxide (EO) sterilized as per ISO 11135** standards.

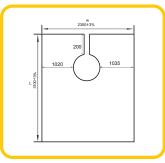


## MEVEL<sup>™</sup> HIP U DRAPE

The **Mevel Hip U Drape** is a high-performance surgical drape designed for a wide range of procedures that demand efficient fluid management and optimal site access.

#### Features:-

- ➤ Centrally located **U-shaped split measuring 10 cm x 80 cm**
- > Drape is reinforced with premium SMPE absorbent fabric
- Equipped with Tube Holder and Cord Organizer



Size: 310 cm × 230 cm



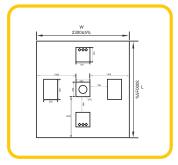
## MEVEL<sup>™</sup> KNEE O DRAPE

Mevel

The **Mevel Knee O Drape**, measuring 300 × 230 cm, is a specialized surgical drape designed for knee and lower limb procedures requiring wide coverage and enhanced fluid control.

#### Features:-

- Central hole with a 2.5-inch diameter
- > Layer of latex-free material
- Drape is reinforced with premium SMPE absorbent fabric to ensure high fluid absorbency
- > Equipped with **Tube Holder** and **Cord Organizer**



Size: 300 cm × 230 cm

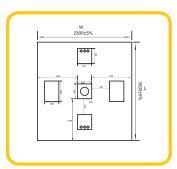


## **MEVEL™ EXTREMITY DRAPE**

The Mevel Extremity Drape, measuring  $360 \text{ cm} \times 240 \text{ cm}$ , is designed to provide comprehensive coverage and effective fluid management for upper and lower extremity surgical procedures.

#### Features:-

- Central 2.5-inch diameter hole that allows precise access to the surgical site
- > Latex free material
- ➤ Drape is **reinforced with premium SMPE absorbent fabric** to ensure high fluid absorbency
- > Equipped with **Tube Holder** and **Cord Organizer**



Size: 360 cm × 240 cm





# MEVEL<sup>™</sup> CARDIOLOGY DRAPES

Mevel Angiography drapes, made from SSMMS non-woven fabric and absorbent non-woven fabric, help isolate the surgical site from other areas of the patient's body and non-sterile areas of the OR table, contributing to a reduction in the risk of surgical site infection (SSI). The fabrics meet AAMI PB 70 level standards.

The fabric used in making the drapes are resistant to fluid penetration, fluid concentration, and blood strike-through; they are free from skin irritation, skin sensitization, and cytotoxicity. Also resist microbial penetration, are virtually lint-free, and are abrasion-resistant.



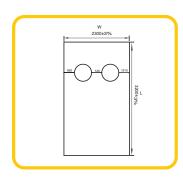
## MEVEL<sup>™</sup> FEMORAL ANGIOGRAPHY DRAPE

Mevel Femoral Angiography Drape Ultra of size 300 cm  $\times$  230 cm,

#### Features:-

> Two femoral fenestration of 11 cm diameter

Drape is reinforced with premium SMPE absorbent fabric to ensure high fluid absorbency



Size: 300 cm × 230 cm

# Mevel

# MEVEL<sup>™</sup> ENT / EYE / DENTAL DRAPE

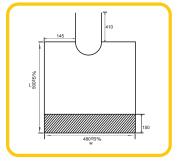


## MEVEL<sup>™</sup> DENTAL DRAPE

The **Mevel Dental Drape**, measuring **50 cm × 80** cm, is specifically designed for dental and maxillofacial procedures

#### Features:-

- ➤ Centrally placed 10 cm × 10 cm fenestration with pouch
- ➤ Drape is **reinforced with premium SMPE absorbent fabric** to ensure high fluid absorbency



Size: 50 cm × 80 cm

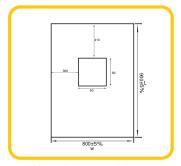


## MEVEL<sup>™</sup> EYE DRAPE

Mevel Eye Drape, sized 80 cm  $\times$  90 cm, is designed to provide optimal coverage and fluid control during eye surgeries and ophthalmic procedures.

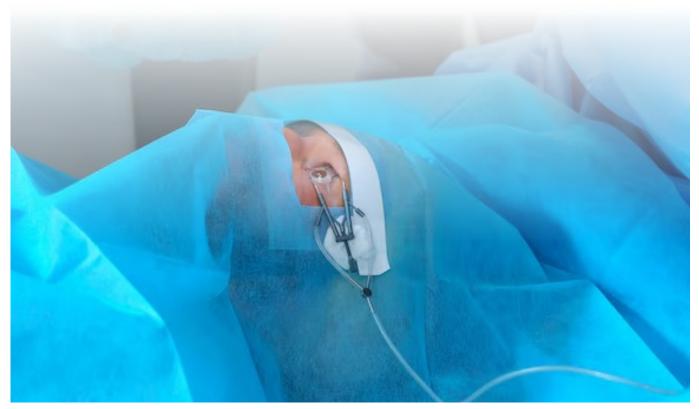
#### Features:-

- > 8 cm × 8 cm fenestration with pouch
- Reinforced with an SMPE Absorent layer to manage fluids effectively
- Transparent incise film that ensures secure adhesion to ---patient skin



Size: 80 cm × 90 cm

 $\verb| \{*SMPE Spunbond-Meltblown-Polyethylene-Laminated | \\$ 





# MEVEL<sup>™</sup> GYNECOLOGY DRAPES

Mevel Gynecology Drapes are made from SSMMS non-woven fabric combined with absorbent non-woven layers. These drapes are designed to effectively isolate the surgical site from other areas of the patient's body and the non-sterile zones of the OR table, thereby helping to reduce the risk of surgical site infections (SSI). **Resistant to fluid penetration**, fluid concentration, and blood strike-through, **Free from skin irritation**, **sensitization**, **and cytotoxicity**, Resistant to **microbial penetration**, **Virtually lint-free** and **abrasion-resistant**. Drapes are **pouch-packed in certified and validated packs**, **Ethylene Oxide (EO) sterilized** as per **ISO 11135** standards.

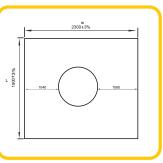


## MEVEL™ C SECTION DRAPE

The Mevel C-Section Drape with Fluid Collection Pouch, measuring 190 cm × 230 cm, is specially designed for cesarean section procedures, offering comprehensive coverage, fluid control, and safety.

#### Features:-

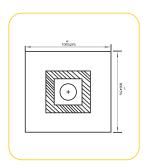
- ► Large 20 (diameter) cm fenestration
- Reinforced backdrop to provide enhanced protection against fluid penetration and pooling
- > Integrated fluid collection pouch
- Equipped with Tube Holder and Cord Organizer



Size: 190 cm × 230 cm

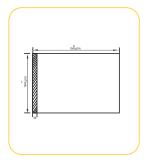
# $\textbf{MEVEL}^{\mathsf{TM}}$

# **SURGICAL DRAPE SHEET**



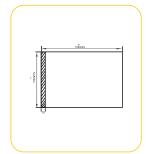
## Mevel<sup>™</sup> Fenestrated Drape

- Diameter of fenestrations 11 Cm
- Size : 90 cm 100 cm



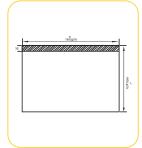
## Mevel<sup>™</sup> Medium Drape

- With adhesive absorbent
- Size : 160 cm 100 cm



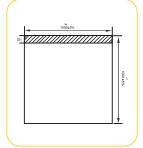
## Mevel<sup>™</sup> Half Drape

- With Adhesive
- Size : 160 cm 110 cm



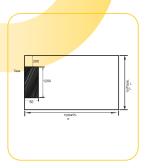
## Mevel<sup>™</sup> Large Drape

- With adhesive
- Size: 190 cm 160 cm

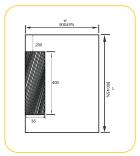


## Mevel<sup>™</sup> Utility Drape

- With adhesive
- Size :100 cm 100 cm



# 200 35 L 1200 V



## Mevel<sup>™</sup> Top Drape

With Adhesive

• Size : 100 cm - 160 cm

## Mevel<sup>™</sup> Bottom Drape

•with Adhesive

• Size : 190 cm - 160 cm

## Mevel<sup>™</sup> Side Drape

With Adhesive

• Size : 50 cm - 80 cm



# **UPCOMING DRAPES**

Category	Category
ORTHOPAEDIC DRAPES	Bilateral Drape Arthroscopy Drape Lamino Spinal Drape Endoplasty Spine Drape
Category	Category
NEUROLOGY DRAPES	Craniotomy Drape
Category	Category
UROLOGY DRAPES	TURP Drape PCNL Drape
Category	Category
CARDIOVASCULAR DRAPES	CABG Drape
Category	Category
GENERAL SURGERY DRAPES	Laparoscopy Drapes Laparotomy Drapes Adhesive Drapes

THE STANDARDIZED KITS AND CUSTOMIZED SURGERY-SPECIFIC KITS WILL BE AVAILABLE SOON.

# THE NINE STEPS OF HOW TO PUT ON A MAIRA SURGICAL GOWN ASEPTICALLY

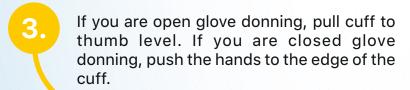
Grasp the sterile gown and step into an area where the gown may be opened without risk of contamination. Put both hands into armholes. Hold the gown away from the body, and allow it to unfold completely.





Slip both hands and forearms into armholes and sleeves; keep hands at shoulder level and away from the body.

2.







The circulating nurse should pull the gown over shoulders, touching only the inside of the gown.

The circulating nurse

hook and loop fixation.





Retrieve the outer belt by pulling it out of the belt card held by the circulating nurse and tie it together with the other outer belt on the left-hand side. 9.

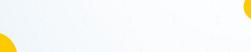
Hand the belt card to the circulating nurse, then make a three-fourth turn to the left while the circulating nurse extends the outer belt to it's full length.





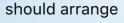
Then don gloves. After gloving, grasp the belt card with both hands, separate the left outer belt from the belt card and keep the belt in the left hand.

7.





The circulating nurse should tie the inner belt of the gown.



# 35 Meril

# **Subsidiaries**

# **12** Academies Globally

10000+ 250+ 158+



## Manufactured by:

Meril Medical Innovation Pvt. Ltd.

Ground & First Floor, Survey No. 173/4 & First Floor, H1-H3, Meril Park, Survey No. 135/2/B & 174/2, Muktanand Marg, Chala, Vapi - 396 191, Gujarat, India Customer Care Contact:

Email: askinfo@merillife.com

#### Marketed By: Meril Life Sciences India Pvt. Ltd.

6th Floor, B wing, Bonanza Building, Sahar Plaza, Chakala JB Nagar, Nr Kohinoor Hotel, Nr Chakala Metro Station,