SECURE FIT™ MASK TECHNOLOGY

MaskEnomics

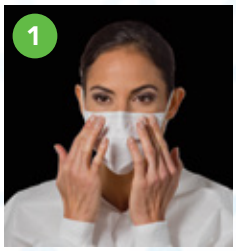
Choosing the right mask for the task

CROSSTEX
A CANTEL MEDICAL COMPANY

Better Fit.
Better Filtration.
Better Protection.

- Proven to provide better protection than standard earloop masks[3]
- Patent-pending design is the first to feature both nose and chin strips for a customized fit
- Flexible aluminum strips form a safe, secure fit around your unique face shape
- Snug, custom fit minimizes dangerous gaps for superior protection
- Available in ASTM Levels 1, 2, and 3, so you always have the options you need

How to secure your Secure Fit™ Mask:



Secure top edge with fingers.

Extend mask.

Secure chin closure.

How often should I change my mask?[2]

Non-aerosol generating procedures: Every 60 minutes

Aerosol generating procedures: Every 20 minutes

After each patient

If the mask gets soiled or wet

[3] *Data from Aerosol Mechanics Laboratory, G.C. Smaldone, Stony Brook University Medical Center, New York.*

SecureFit™ Mask Technology

Aluminum nose and chin strips reduce gapping and fogging.

Engineered to Protect

Understanding ASTM Face Mask Performance Levels

Selecting the appropriate mask for a particular procedure is a critical component of your Personal Protective Equipment (PPE) protocol.

Although masks may look similar, each mask has notable differences affecting its level of protection. Understanding ASTM performance levels can help ensure your mask will provide appropriate protection to minimize the spread of potentially infectious diseases.

Crosstex makes the selection process easy with the MaskEnomics rating system, designed to assist you in your selection by categorizing all Crosstex face masks by the level of filtration they provide, from minimum to maximum performance. Just look to the symbols displayed to find the appropriate level of filtration and protection for the procedure to be performed.

ASTM F2100-11 Standards	High Fluid Barrier ASTM Level 3	Moderate Fluid Barrier ASTM Level 2	Light Fluid Barrier ASTM Level 1
Fluid resistance, mm Hg	160	120	80
BFE, @ 3 microns	≥98%	≥98%	≥95%
PFE, @ 0.1 micron	≥98%	≥98%	≥95%
Delta P, mm H_2O/cm^2	<5.0	<5.0	<4.0
Flame spread	Class 1	Class 1	Class 1

What the terms[1] mean:

- **Fluid resistance** measures the mask's ability to prevent fluids from traveling through the material. The higher the fluid resistance (filtration), the better the protection. (Measured in mm Hg.)
- **BFE (bacterial filtration efficiency)** measures the mask's ability to prevent bacteria from traveling through the material. (Measured at 3 microns.)
- **PFE (particulate filtration efficiency)** measures the mask's ability to prevent sub-micron particulates from traveling through the material. The size of the particles filtered is critical. (Measured at 0.1 micron.)
- **Delta P (differential pressure)** determines breathing resistance—the higher the Delta P, the less the breathability, but the better the filtration. (Measured in mm H_2O/cm^2.)
- **Flame spread** is a ranking derived by laboratory standard test methodology of a material's propensity to burn rapidly and spread flames.

The right mask protection level should always be used based upon the procedure being performed. Like patients, every procedure is unique. Use your clinical judgement to determine the appropriate level of barrier protection based on the length of the procedure, the amount of fluid or aerosol, and standard precautions.

ASTM Level 3

Procedures where moderate to heavy amounts of fluid, spray and/or aerosols are produced.

- Complex oral surgery
- Crown prepration
- Implant placement
- Periodontal surgery
- Use of ultrosonic scalers (Magnetostrictive and Piezo)
- Laser based applications*

ASTM Level 2

Procedures where light to moderate amounts of fluid, spray and/or aerosols are produced.

- Limited oral surgery
- Endodontics
- Prophylaxis
- Restoratives/compositives
- Sealants
- Scaling and root planning

ASTM Level 1

Procedures where low amounts of fluid, spray and/or aerosols are produced.

- Patient exams
- Operatory cleaning/maintenance
- Impressions
- Lab trimming, finishing, and polishing
- Orthodontics

[1] ASTM Standard specification for performance of materials used in medical face masks – F2100-11 Standard
[2] As specified in Test Method F 1862
** Masks are considered a secondary control and are not meant to replace recommended primary engineering controls for laser plume exposure.*
CAUTION: Like patients, every procedure is unique. Use your clinical judgment to determine the appropriate level of barrier protection based on the length of the procedure, the amount of fluid or aerosol, and standard precautions.

Masks and Shields from Crosstex

The mask performance levels were performed for Crosstex by Nelson Laboratories in accordance with ASTM Standard F2100-11 and represent the most current performance test data (of these Crosstex masks).

MAXIMUM FILTRATION

N95 — **Indicated for use when treating patients with airborne diseases such as TB.**

Isolator™ Plus N95 Particulate Respirator

(Pictured: GPRN95)

- NIOSH approved N95 Respirator
- Meets guidelines for TB exposure control
- Resistance to penetration by synthetic blood: 160mmHg
- Malleable nose and chin pieces
- Inner/outer Fluid-resistant layers
- Chin pocket construction

Although the N95 closely resembles a surgical mask, it is a respirator and must be used in accordance with all OSHA regulations regarding respiratory protection.

ASTM LEVEL 3

ASTM 3 — **Ideal for procedures where heavy to moderate amounts of fluid, spray and/or aerosols are produced.**

Ultra™ Sensitive Earloop Mask with Secure Fit™ Mask Technology

(Pictured: GCFCXSSF)

- Fluid-resistant outer layer
- White hypoallergenic inner cellulose layer
- Extra soft – will not lint, tear or shred
- Free of chemicals, inks and dyes
- Extra-long aluminum nose piece

Ultra™ Sensitive FogFree™ Earloop Mask with Secure Fit™ Mask Technology

(Pictured: GCFCXSFSF)

- Provides all the features of Ultra™ Sensitive Earloop Mask with Secure Fit™ Mask Technology with FogFree™ strip on inner layer

Ultra™ Sensitive FogFree™ Earloop Mask with Shield with Secure Fit™ Mask Technology

(Pictured: GCPWSSF)

- Provides all the features of Ultra™ Sensitive Fog Free™ with Secure Fit™ mask technology with attached optically clear, distortion-free shield

Ultra™ Sensitive Earloop Mask

(Pictured: GCFCXS)

- Fluid-resistant outer layer
- White hypoallergenic inner cellulose layer
- Extra soft – will not lint, tear or shred
- Free of chemicals, inks and dyes
- Extra-long aluminum nose piece

Also available: Ultra™ Sensitive FogFree™ Earloop, Ultra™ Sensitive FogFree™ Earloop w/ Shield

Ultra™ Earloop Mask with Secure Fit™ Mask Technology

(Pictured: GCFCXUSF)

- Fluid-resistant outer layer
- Fluid-resistant white inner layer
- Extra-long aluminum nose piece

Ultra™ FogFree™ Earloop Mask with Shield

(Pictured: GCPW)

- Fluid-resistant outer layer
- Fluid-resistant white inner layer
- Unique FogFree™ with optically clear, distortion free wrap around shield

Ultra™ Earloop Mask

(Pictured: GCFCXU)

- Fluid-resistant outer layer
- Fluid-resistant white inner layer
- Extra-long aluminum nose piece

Also available: Ultra® FogFree™ Earloop, Ultra® FogFree™ Earloop with Shield

ASTM LEVEL 2

ASTM 2 — **Ideal for procedures where moderate to light amounts of fluid, spray and/or aerosols are produced.**

Procedural Earloop Mask with Secure Fit™ Mask Technology

(Pictured: GCPBLSF)

- Fluid-resistant outer layer
- Fluid-resistant white inner layer
- Extra-long aluminum nose piece

Procedural Earloop Mask

(Pictured: GCPLV)

- Fluid-resistant outer layer
- Fluid-resistant white inner layer
- Extra-long aluminum nose piece

Surgical Tie-On Mask

(Pictured: GCS)

- Fluid-resistant outer layer
- Fluid-resistant white inner layer
- Extra-large panel for surgical procedures
- Extra-long aluminum nose piece

Made outside of the USA.

All masks not made with natural rubber latex.

ASTM LEVEL 1

ASTM 1

Ideal for procedures where low amounts of fluid, spray and/or aerosols are produced.

Isofluid™ Earloop Mask with Secure Fit™ Mask Technology
(Pictured: GCIPKSF)
- Fluid-resistant outer layer
- White tissue inner layer
- Extra-long aluminum nose piece

Isofluid™ Plus Earloop Mask
(Pictured: GCISA)
- Fluid-resistant outer layer
- White tissue inner layer
- Extra-long aluminum nose piece

Isofluid™ FogFree™ Earloop Mask with Secure Fit™ Mask Technology
(Pictured: GCIBLSF)
- Provides all features of Secure Fit® Isofluid with addition of FogFree® strip on inner layer

Isofluid™ FogFree™ Earloop Mask with Shield with Secure Fit™ Mask Technology
(Pictured: GCIPWBSF)
- Provides all features of Isofluid™ Earloop Mask with Secure Fit™ Mask Technology with attached optically clear, distortion-free face shield

Also available: Isofluid FogFree™ Earloop, Isofluid FogFree™ Earloop with Shield

Isofluid™ Plus Earloop Mask
(Pictured: GPLUSPK)
- White hypoallergenic inner cellulose layer
- Fluid-resistant outer layer
- Extra-long aluminum nose piece
- Extra soft – will not lint, tear or shred

Isofluid™ Plus Pure Mask with Secure Fit™ Mask Technology
(Pictured: GPLUSWHSF)
- White hypoallergenic inner cellulose layer
- Fluid-resistant outer layer
- Extra-long aluminum nose piece
- Extra soft – will not lint, tear or shred

Le Petit Masque
- Fluid-resistant pink outer layer
- Soft white spunbound inner layer
- Measures 6.25 in x 3.5 in (15.875 cm x 8.89 cm)

Made outside of the USA.

LOW PERFORMANCE

Ideal as a comfortable substitute for earloop face masks, this mask is a simple physical barrier ideal for exams and visitations or for dry, short procedures that do not produce fluid, spray or aerosols.

Surgical Molded Mask
(Pictured: GCBL)
- Splash resistant barrier
- Flared edge prevents irritation
- Soft, flexible nose piece

Made outside of the USA.

MINIMUM PERFORMANCE

Ideal as a simple physical barrier for exams, isolation and visitations or for dry, short procedures that do not produce fluid, spray or aerosols.

Isolite™ Earloop Mask
(Pictured: GCLPK)
- Outer facial tissue layer
- White facial tissue inner layer
- Extra-long aluminum nose piece

ADDITIONAL FACE PROTECTION PRODUCTS

Face Shield
Pictured: Full length (9 in) Clear Face Shield and ¾ length (7 in) Clear Face Shield
- Optically clear, distortion-free wrap-around face shield
- 1.5 in foam headband holds shield away from face; "floats" lightly on forehead, with no pressure on temples; vented for increased air flow
- Protects mask and face from direct splatter; may prolong mask life
- Sonically-welded elastic headband for added strength
- Anti-fog treatment on inside and outside of shield

See Clear® Lens Cleaning Wipes
- Effective cleaning for eyewear and face shields
- 4 in x 5.5 in wipes are anti-fog, anti-static
- Will not scratch, dries quickly
- Ref #SEEC

Made outside of the USA.

Request your FREE samples at:
crosstex.com/request-samples

Product Name, Quantity	Ref. #, Color		
N95			
Isolator™ Plus N95 Particulate Respirator 28/Box	GPRN95, Blue/White Stripe		
ASTM LEVEL 3			
Ultra™ Sensitive Earloop Mask with Secure Fit™ Mask Technology 50/Box	GCFCXSSF, White		
Ultra™ Sensitive FogFree™ Earloop Mask with Secure Fit™ Mask Technology 40/Box	GCFCXSFSF, White		
Ultra™ Sensitive FogFree™ Earloop Mask with shield with Secure Fit™ Mask Technology 25/Box	GCPWSSF, White		
Ultra™ Earloop Mask with Secure Fit™ Mask Technology 50/Box	GCFCXUSF, Blue		
Ultra™ Sensitive Earloop Mask 50/Box	GCFCXS, White		
Ultra™ Sensitive FogFree™ Earloop Mask 40/Box	GCFCXSF, White		
Ultra™ Sensitive FogFree™ Earloop Mask with Shield 25/Box	GCPWS, White		
Ultra™ Earloop Mask 40/Box	GCFCXU, White		
Ultra™ FogFree™ Earloop Mask 40/Box	GCFCX, White		
Ultra™ FogFree™ Earloop Mask with Shield 25/Box	GCPW, White		
ASTM LEVEL 2			
Procedural Earloop Mask with Secure Fit™ Mask Technology 50/Box	GCPBLSF, Blue	GCPLVSF, Lavender	GCPPKSF, Pink
Procedural Earloop Mask 50/Box	GCPBL, Blue GCPLV, Lavender	GCPPK, Pink GCPYE, Yellow	GCPPK, Pink
Procedural Earloop Mask 100/Box	GCPBL100, Blue		
Surgical Tie-On Mask 50/Box *(Made outside of the USA.)*	GCS, Blue		
ASTM LEVEL 1			
Isofluid™ Plus Pure Mask with Secure Fit™ Mask Technology 50/Box	GPLUSWHSF, White		
Isofluid™ Earloop Mask with Secure Fit™ Mask Technology 50/Box	GCIBLSF, Blue	GCILVSF, Lavender	GCIPKSF, Pink
Isofluid™ FogFree™ Earloop Mask with Secure Fit™ Mask Technology 40/Box	GCICXBSF, Blue		
Isofluid™ FogFree™ Earloop Mask with Shield with Secure Fit™ Mask Technology 25/Box	GCIPWBSF, Blue		
Isofluid™ Plus Earloop Mask 50/Box	GPLUSBL, Blue	GPLUSKA, Kaleidoscope	GPLUSPK, Pink
Isofluid™ Earloop Mask 50/Box	GCIBL, Blue GCIGR, Green GCILV, Lavender	GCIPK, Pink GCISA, Sapphire GCITE, Teal	GCITQ, Turquoise
Isofluid™ Earloop Mask 100/Box	GCIBL100, Blue		
Isofluid™ FogFree™ Earloop Mask 40/Box	GCICXB, Blue	GCICXS, Sapphire	GCICXT, Turquoise
Isofluid™ FogFree™ Earloop Mask with Shield 25/Box	GCIPWB, Blue	GCIPWS, Sapphire	GCIPWT, Turquoise
Le Petit Masque 50/Box *(Made outside of the USA.)*	GCAPTPK, Pink		
LOW PERFORMANCE			
Surgical Molded Mask 50/Box *(Made outside of the USA.)*	GCBL, Blue	GCPK, Pink	
MINIMUM PERFOMANCE			
Isolite™ Earloop Mask 50/Box	GCLBL, Blue	GCLPK, Pink	GCLYE, Yellow

Dedicated to innovative, high-quality solutions, services, and education that ensure maximum compliance and improve outcomes for healthcare professionals and patients.

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