



MaskEnomics™

The Crosstex Guide to Face Mask Selection and Use
Aligned with ASTM F2100-11 and EN 14683 Standards

WHAT'S THE RIGHT MASK FOR THE TASK?





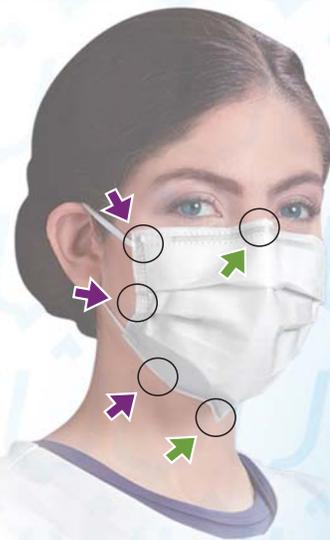
A product of **Crosstex**[®]

SECURE FIT[®] MASK TECHNOLOGY

Better Fit. Better Filtration. Better Protection.

- Proven to provide better protection than standard earloop masks⁴
- 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'll always have the right mask for the task

Aluminum nose and chin strips reduce gapping and fogging.



HOW TO SECURE YOUR SECURE FIT[®] MASK:



1. Secure top edge with fingers.



2. Extend mask.



3. Secure chin closure.



MaskEnomics™ 101

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.

What the terms¹ 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 mmHg.)*

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 microns.)*

DELTA P (Differential Pressure) determines breathing resistance—the higher the Delta P, the less the breathability, but the better the filtration. *(Measured in mmH₂O/cm²)*

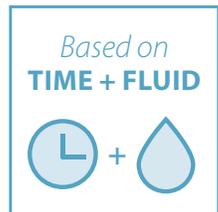
FLAME SPREAD is a ranking derived by laboratory standard test methodology of a material's propensity to burn rapidly and spread flames.

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 BARRIER ASTM LEVEL 3	MODERATE BARRIER ASTM LEVEL 2	LOW BARRIER ASTM LEVEL 1
FLUID RESISTANCE ² , mmHg	160	120	80
BFE, @ 3 microns	≥98%	≥98%	≥95%
PFE, @ 0.1 micron	≥98%	≥98%	≥95%
DELTA P, mmH ₂ O/cm ²	<5.0	<5.0	<4.0
FLAME SPREAD	Class 1	Class 1	Class 1

Choosing the Right Mask for the Task



Procedure Recommendations³

Listed below are some common procedures with suggested corresponding ASTM levels of protection.

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.

ASTM LEVEL 3

- Complex Oral Surgery
- Crown Preparation
- Implant Placement
- Periodontal Surgery
- Use of Ultrasonic Scalers (Magnetostrictive and Piezo)

ASTM LEVEL 2

- Limited Oral Surgery
- Endodontics
- Prophylaxis
- Restoratives/Compositives
- Sealants
- Scaling & Root Planing

ASTM LEVEL 1

- Patient Exams
- Operatory Cleaning/Maintenance
- Impressions
- Lab Trimming, Finishing & Polishing
- Orthodontics

Masks & Shields from Crosstex

MAXIMUM FILTRATION

N95

Indicated for use when treating patients with airborne diseases such as TB or influenza.

Meets EN 149: 2001 FFP2 NR

Not made with natural rubber latex



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



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

Meets EN14683 Rating – Type IIR Standard

Not made with natural rubber latex



Ultra® Sensitive Earloop w/ 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 w/ Secure Fit® Mask Technology

(Pictured: GCFCXSFSF)

- Provides all the features of Ultra® Sensitive with Secure Fit® mask technology with FogFree™ strip on inner layer



Ultra® Sensitive FogFree™ Earloop w/ Shield w/ Secure Fit® Mask Technology

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



Ultra® Sensitive Earloop

(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 w/ Secure Fit® Mask Technology

(Pictured: GCFCXUSF)

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



Ultra® FogFree™ Earloop w/ Shield

(Pictured: GCPW)

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



Ultra® Earloop

(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



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

Meets EN14683 Rating – Type IIR Standard

Not made with natural rubber latex



Procedural Earloop w/ Secure Fit® Mask Technology

(Pictured: GCPBLSF)

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



Procedural Earloop

(Pictured: GCPLV)

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



Surgical Tie-on

(Pictured: GCS)

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

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



ASTM LEVEL 1



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

Meets EN14683 Rating – Type II Standard

ASTM 1

Not made with natural rubber latex

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.

Not made with natural rubber latex

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.

Not made with natural rubber latex



Isofluid® Earloop w/ Secure Fit® Mask Technology (Pictured: GCIPKSF)

- Fluid resistant outer layer
- White tissue inner layer
- Extra-long aluminum nose piece



Isofluid® Earloop (Pictured: GCISA)

- Fluid resistant outer layer
- White tissue inner layer
- Extra-long aluminum nose piece



Isofluid FogFree® Earloop w/ Secure Fit® Mask Technology (Pictured: GCIBLSF)

- Provides all features of Secure Fit® Isofluid with addition of FogFree® strip on inner layer



Isofluid FogFree® Earloop w/ Shield w/ Secure Fit® Mask Technology (Pictured: GCIPWBSF)

- Provides all features of Secure Fit® Isofluid FogFree® with attached optically clear, distortion-free face shield

Also available:

Isofluid FogFree™ Earloop
Isofluid FogFree™ Earloop with Shield



Isofluid® Plus Earloop (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 w/ 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



Surgical Molded

(Pictured: GCBL)

- Splash resistant barrier
- Flared edge prevents irritation
- Soft, flexible nose piece



Isolite® Earloop

(Pictured: GCLPK)



- Outer facial tissue layer
- White facial tissue inner layer
- Extra-long aluminum nose piece

ADDITIONAL FACE PROTECTION PRODUCTS

Le Petit Masque

- Fluid resistant pink outer layer
- Soft white spunbound inner layer
- ASTM Level 1
- Measures 6.25" x 3.5" / 15.875 x 8.89 cm



See Clear® Eyeglass Wipes

- Effective cleaning for eyewear and face shields
- 4" x 5.5" wipes are anti-fog, anti-static
- Will not scratch, dries quickly
- Ref #SEEC



Not made with natural rubber latex



Face Shield



(Pictured: Full length 9" Clear Face Shield and ¾ length 7" Clear Face Shield)

- Optically clear, distortion-free wrap-around face shield
- 1.5" 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

Not made with natural rubber latex



PATIENT PROTECTION

Patient Safety Mask w/ Shield (Pictured: GCPAT)

- Covers patient's eyes and nose
- Protects fragile eye and mucosal tissue from flying particles, spray and splatter
- Makes patients feel safe, but not "in the dark," with attached clear-vision shield
- Form-fitting profile, flexible materials provide maximum access to mouth
- White spunbound inner and outer layers
- Fluid resistant
- U.S. Patent No's 6,185,740 and 6,523,170

Not made with natural rubber latex



Masks & Shields

Order Information

Description	Quantity	Ref. #	Description	Quantity	Ref. #
Isolite® Earloop			Procedural Earloop (continued)		
Blue	50/Box	GCLBL	Pink	50/Box	GCPPK
Pink	50/Box	GCLPK	Yellow	50/Box	GCPYE
Yellow	50/Box	GCLYE	Blue, Bulk Pack	100/Box	GCPBL100
Surgical Molded			Surgical Tie-on		
Blue	50/Box	GCBL	Blue	50/Box	GCS
Pink	50/Box	GCPK	Ultra® Sensitive Earloop w/ Secure Fit® Mask Technology		
Isofluid® Earloop w/ Secure Fit® Mask Technology			White	50/Box	GCFCXSSF
Blue	50/Box	GCIBLSF	Ultra® Sensitive FogFree™ Earloop w/ Secure Fit® Mask Technology		
Lavender	50/Box	GCILVSF	White	40/Box	GCFCXSFSF
Pink	50/Box	GCIKSF	Ultra® Sensitive FogFree™ Earloop w/ Shield w/ Secure Fit® Mask Technology		
Isofluid FogFree® Earloop w/ Secure Fit® Mask Technology			White	25/Box	GCPWSSF
Blue	40/Box	GCICXBSF	Ultra® Earloop w/ Secure Fit® Mask Technology		
Isofluid FogFree® Earloop w/ Shield w/ Secure Fit® Mask Technology			Blue	50/Box	GCFCXUSF
Blue	25/Box	GCIWBSF	Ultra® Sensitive Earloop		
Isofluid® Earloop			White	50/Box	GCFCXS
Blue	50/Box	GCIBL	Ultra® Sensitive FogFree™ Earloop		
Green	50/Box	GCIGR	White	40/Box	GCFCXSF
Lavender	50/Box	GCILV	Ultra® Sensitive FogFree™ Earloop w/ Shield		
Pink	50/Box	GCIKPK	White	25/Box	GCPWS
Sapphire	50/Box	GCISA	Ultra® Earloop		
Teal	50/Box	GCITE	Blue	40/Box	GCFCXU
Turquoise	50/Box	GCITQ	Ultra® FogFree™ Earloop		
Blue, Bulk Pack	100/Box	GCIBL100	Blue	40/Box	GCFCX
Isofluid FogFree® Earloop			Ultra® FogFree™ Earloop w/ Shield		
Blue	40/Box	GCICXB	Blue	25/Box	GCPW
Sapphire	40/Box	GCICXS	Isolator Plus N95 Particulate Respirator		
Turquoise	40/Box	GCICXT	Blue/White Stripe	28/Box	GPRN95
Isofluid FogFree® Earloop w/ Shield			Face Shield		
Blue	25/Box	GCIPWB	¾ Length Clear (7")	24/Box	GCSS
Sapphire	25/Box	GCIPWS	¾ Length Clear (7"), Bulk Pack	72/Box	GCSSB
Turquoise	25/Box	GCIPWT	Full Length (9") Clear	18/Box	GCSS9
Isofluid® Plus Earloop			Full Length (9") Clear, Bulk Pack	72/Box	GCSS9B
Blue	50/Box	GPLUSBL	Patient Safety Mask w/ Shield		
Kaleidoscope	50/Box	GPLUSKA	White	25/Box	GCPAT
Pink	50/Box	GPLUSPK	See Clear® Eyeglass Wipes		
Isofluid® Plus Pure w/ Secure Fit® Mask Technology			White	120/Box	SEEC
White	50/Box	GPLUSWHSF			
Le Petit Masque					
Pink	50/Box	GCAPTK			
Procedural Earloop w/ Secure Fit® Mask Technology					
Blue	50/Box	GCPBLSF			
Lavender	50/Box	GCPVVSF			
Pink	50/Box	GCPPKSF			
Procedural Earloop					
Blue	50/Box	GCPBL			
Lavender	50/Box	GCPLV			

ASTM Level 1

ASTM Level 2

ASTM Level 2

ASTM Level 3

N95

Crosstex can make no warranties or representations, either expressed or implied, that these products will fully protect the user from exposure to blood or bodily fluids or risk of contracting infectious diseases. OSHA requires the employer to evaluate the anticipated exposure and select the appropriate protective masks to prevent contamination of skin, eyes and respiratory passages.

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¹ ASTM Standard specification for performance of materials used in medical face masks – F2100-11 Standard
² As specified in Test Method F 1862
³ Molinari, John A., Ph.D. and Peri Nelson, B.S. "Face Masks: What to Wear and When." The Dental Advisor #18 (October 2014)
⁴ Data from Aerosol Mechanics Laboratory, G.C. Smaldone, Stony Brook University Medical Center, New York.

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