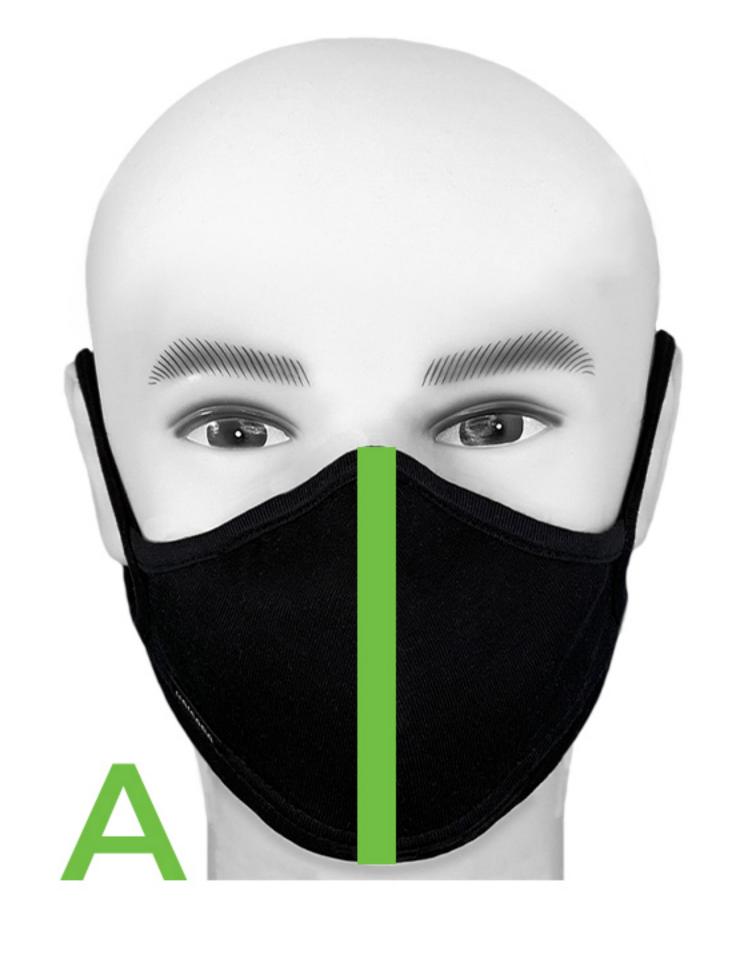


Design Analysis

SIZING CHART FOR 6 MASK SIZES

Description	Kids I Small (Age 2-3)	Kids II Medium (Age 4-5)	Small (45-75 Lbs) (20-34 Kg)	Medium (75-130 Lbs) (34-59 Kg)	Large (130-190 Lbs) (59-86 Kg)	X-Large (190+ Lbs) (86+ Kg)	Tolerance
Front	8.5 ^{cm} /3.34"	9.5 ^{cm} /3.74"	10.5 ^{cm} /4.14"	11.5 ^{cm} /4.52"	12.5 ^{cm} /4.92"	13.5 ^{cm} /5.31"	+- 0.5 ^{cm} /0.19"
Top Border	7 ^{cm} /2.75"	7.5 ^{cm} /2.95"	8 ^{cm} /3.14"	8.5 cm/3.34"	9 ^{cm} /3.54″	9.5 ^{cm} /3.74"	+- 0.5 ^{cm} /0.19"
Mandibular	7 ^{cm} /2.75"	8 ^{cm} /3.14"	8.5 cm/3.34"	9.5 ^{cm} /3.74″	10.5 ^{cm} /4.14"	11.5 ^{cm} /4.52"	+- 0.5 ^{cm} /0.19"
Chin Width	2 ^{cm} /0.78"	2.5 ^{cm} /0.98"	2.7 ^{cm} /1.06"	3 ^{cm} /1.18″	3.3 cm/1.29"	3.6 cm/1.41"	+- 0.5 ^{cm} /0.19"
Chin Bottom	6 ^{cm} /2.36"	7 ^{cm} /2.75"	7.5 ^{cm} /2.95"	8.5 ^{cm} /3.35"	9.5 ^{cm} /3.74"	10.5 ^{cm} /4.13"	+- 0.5 ^{cm} /0.19"
End Width	3 ^{cm} /1.18″	3.5 ^{cm} /1.37"	3.5 ^{cm} /1.37"	4 ^{cm} /1.57"	4.5 cm/1.77"	5 ^{cm} /1.96″	+- 0.5 ^{cm} /0.19"
Ear Loop	7 cm/2.75"	8 ^{cm} /3.14"	9 ^{cm} /3.54"	10 ^{cm} /3.93″	11 ^{cm} /4.33"	12 ^{cm} /4.72"	+- 0.5 ^{cm} /0.19"

















6 SIZES, 6 ADJUSTMENT POINTS SOLVING GAPS & LEAKAGE

Did you know that respiratory aerosols can accumulate the same way cigarette smoke accumulates, in a plume, allowing virus particles to linger up to 16hrs in a low ventilated room?

Featuring up to 6 size options ranging from adults to kids, with a total of 6 adjustment points in a contour design, gaps and leakage are significantly reduced, preventing these particulates as small as 0.1 microns from being inhaled. Most face masks on the market are a 'one-size-fits-most' or offer 2 adult sizes with only 1-2 adjustment points, leaving numerous gaps and leakage, reducing mask particle efficiency up to 60%! April 24, 2020 | Source: ACS Nano https://pubs.acs.org





Style & Fit

Unique design elements solving the common complaints of mask wearing.



Reinforced center stitch prevents cave-in while breathing/talking, and allows for plenty of room inside the mask for ease of use.

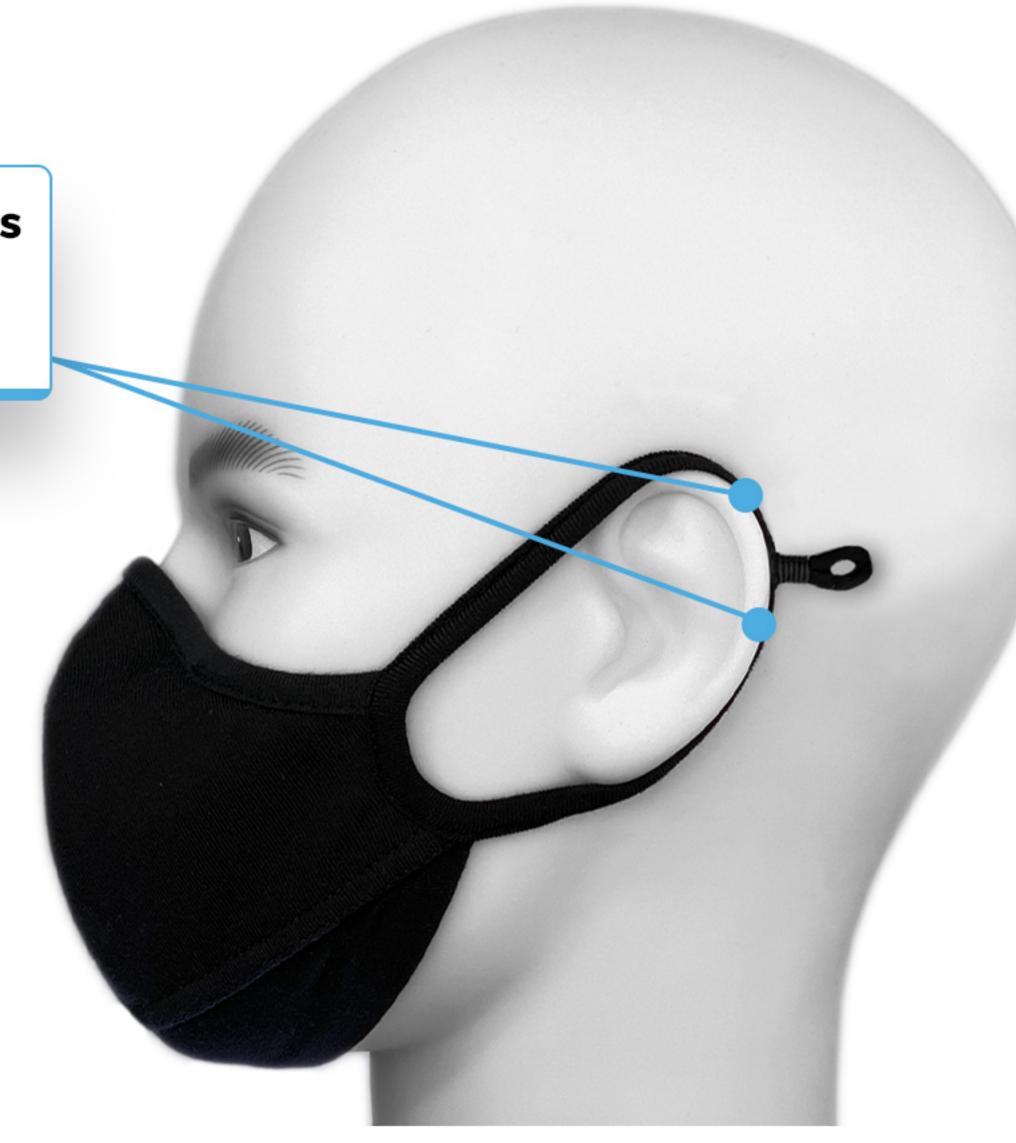
Soft band wraps comfortably around ears, prevents chafing and skin irritation.

BACK VIEW

FRONT VIEW



Sleek contour fit for maximum protection and style, wrapping around entire facial structure, greatly reducing gaps/leakage.



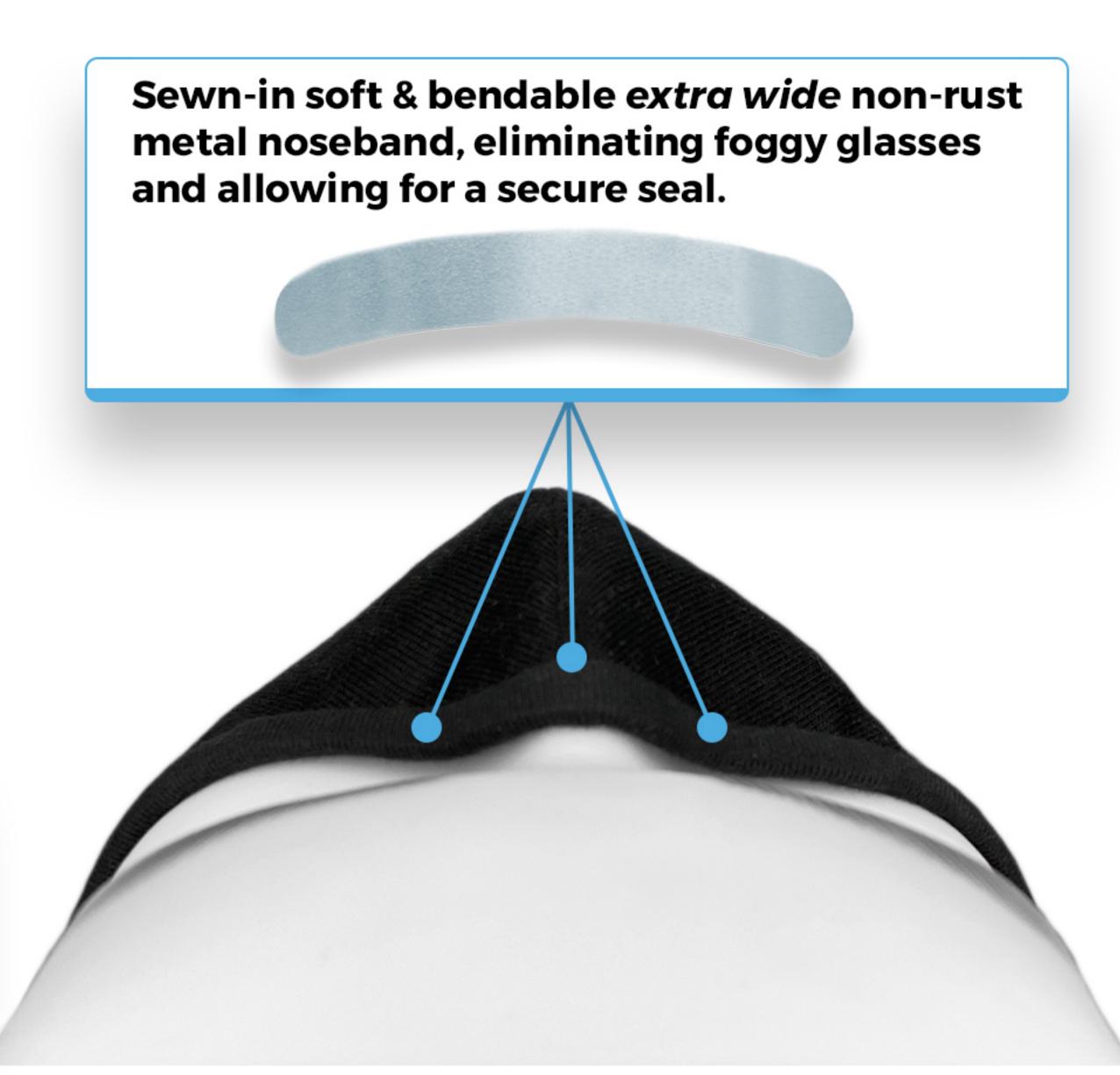
LEFT VIEW



RIGHT VIEW

Reinforced jawline stitch adheres mask firmly to chin, providing a leakage-free seal.





BOTTOM VIEW



Comfort & Breathability

Unicorn Masks offer High Performance breathability at **5mm h2o** tested to the new ASTM F3502 standard. The lower the score, the more breathable. ASTM F3502 allows up to 15mm h2o (the higher the rating, the more difficult to breathe). NIOSH certified respirators have two different breathability limits: one for inhalation, the other for exhalation. For inhalation the air flow resistance (breathability) for **N95s** is \approx **35mm** h2O, more than double the maximum breathability resistance allowed under the new ASTM F3502 standard!





ADVANCED FILTER PROTECTION

Replaceable Non-Woven Proprietary Sonic Electrospun Nanotechology Filters

