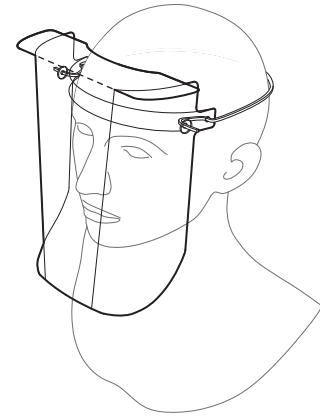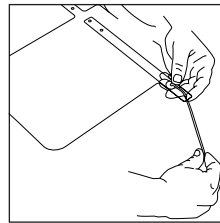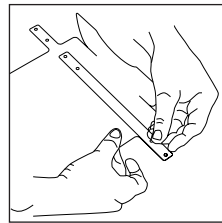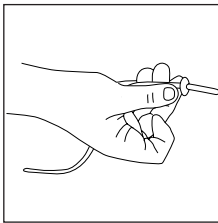# A20 Face Shield / *Personal Protective Equipment (PPE)*

The A20 Face Shield is a critical medical device used to protect an individual's eyes, nose, and face from transmission of COVID-19 via droplet exposure. Each A20 face shield comprises three parts—face shield, forehead band, and elastic strap—and is lightweight, designed for multi-directional droplet abatement, fits various head sizes, and may be sanitised for reuse.

+ Multi-directional droplet abatement
+ Tested by Infection Prevention and Control (IPAC) at Unity Health Toronto
+ May be sanitized and reused for extended lifecycle
+ Clearance for simultaneous use of N95 mask and goggles
+ Adjustable to fit various head sizes
+ Extended length and sides for droplet protection
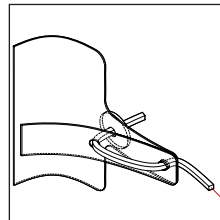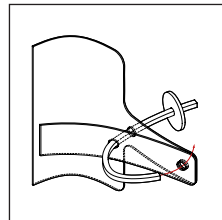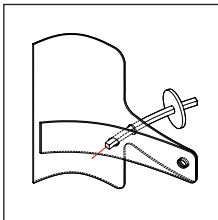+ Lightweight, ships flat; assembled by end user

Assembly Instructions

1 Lay all components on a clean surface

2 Align the face shield with one side of the forehead band

3 Assemble the first side of the face shield

   a *Thread a washer on one side of the head strap*

   b *From outside of the shield, thread the washer and head strap through the inner hole*

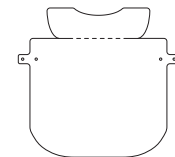   **c** *Return the strap through the outer hole to create a secure loop and pull taut*

4 Assemble the second side of the face shield

   a *From outside of the shield, thread the washer and head strap through the outer hole*

   b *Return the strap through the inner hole to create a secure loop and pull taut*

   c *Thread a washer on the side of the head strap*

5 To improve fit and comfort, hold the washer and pull the head strap to the side

Ryerson University Creative Technology Lab at FCAD holds an active Health Canada Class I Medical Device Establishment Licence for manufacture (License #12072). We adhere to strict quality control guidelines.

Components

Shield
0.020" PETG

Forehead Band
0.020" PETG

Head Strap
1/8 " x 1/8" Neoprene

Washer x 2
5/8" (outer diameter) Silicone

Ryerson University

creative technology lab at FCAD