

Sanki-fold helmet

Full face Collapsible motorcycle helmet



Video link- <https://youtu.be/XVpKLOAWqKU>

USP

& FEATURES



PORTABLE

Collapsing Ratio is approx.
50%

CONVERTIBLE

Serve as either Open face or
Full face helmet



ON-DEMAND

Helmet can be unfold within
seconds when required

ENHANCED SAFETY

carefully placed cushions
mitigate impact during
accident



Collapsible motorcycle helmet

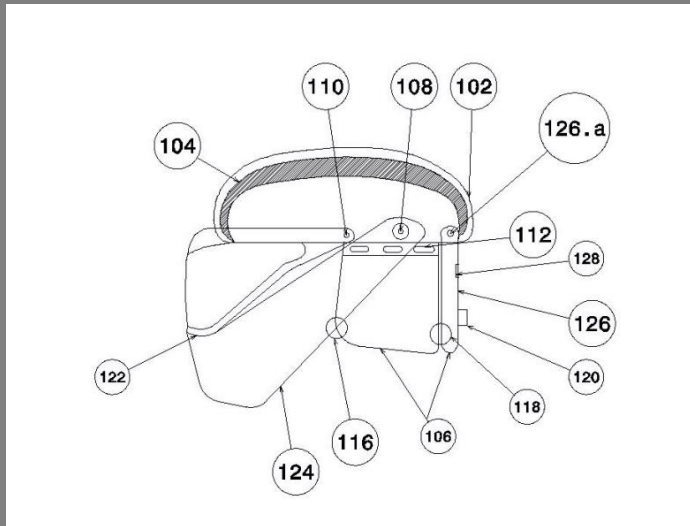


Unfolded state

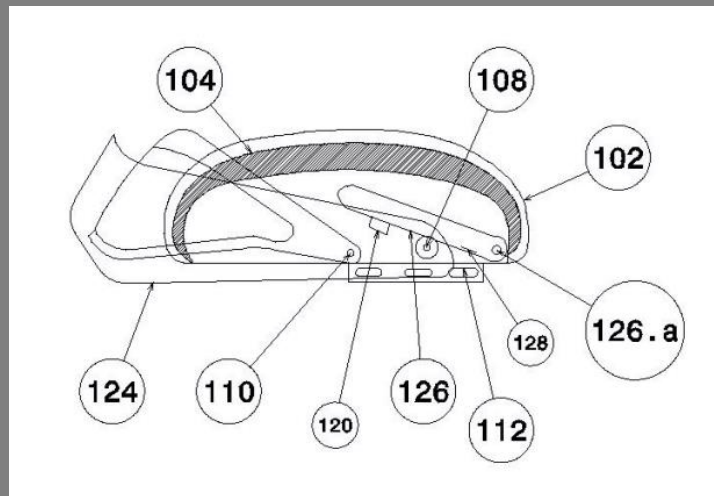


Folded state

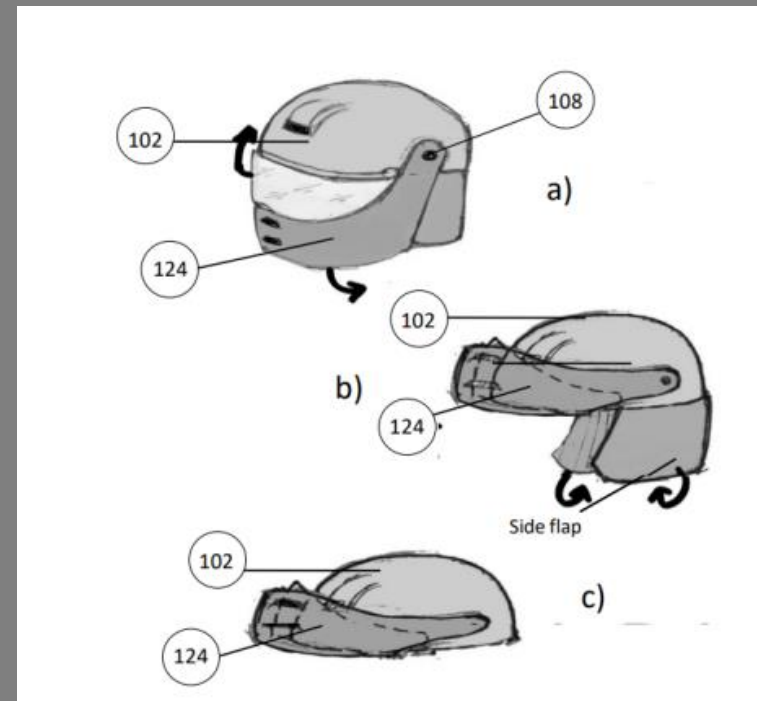
Patent Images 1



Unfolded state

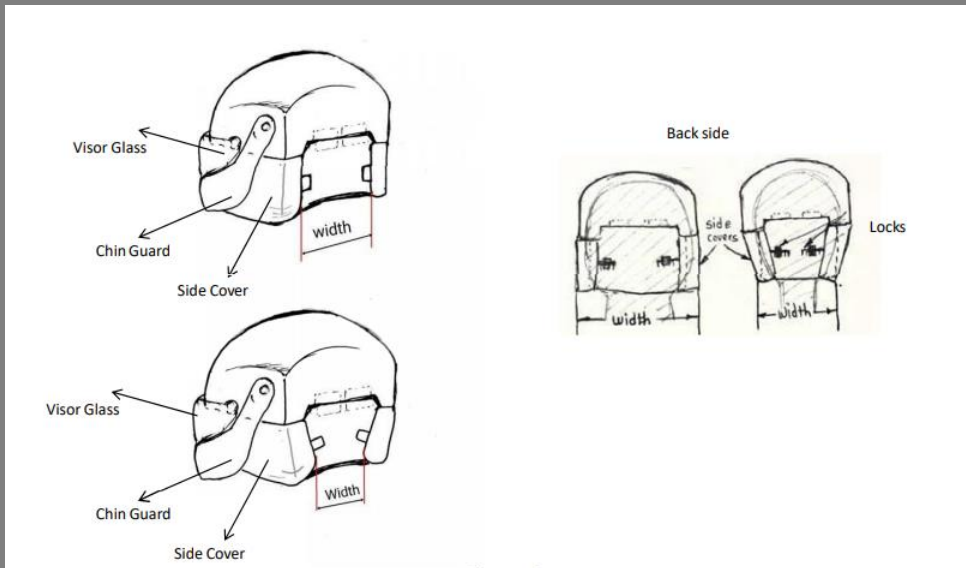


Folded state

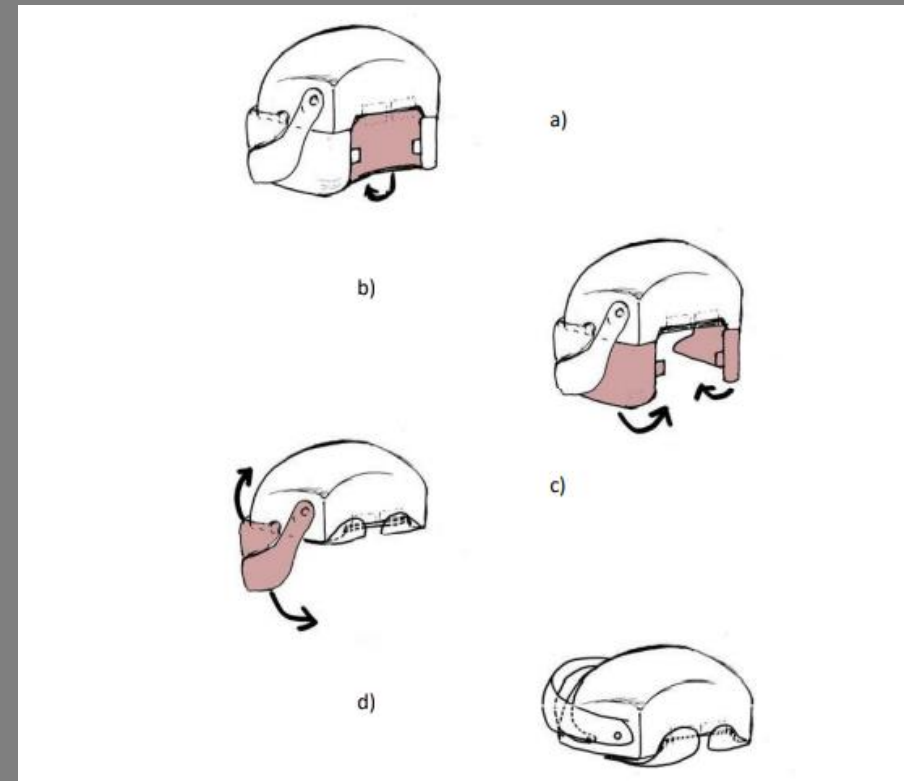


Folding Process

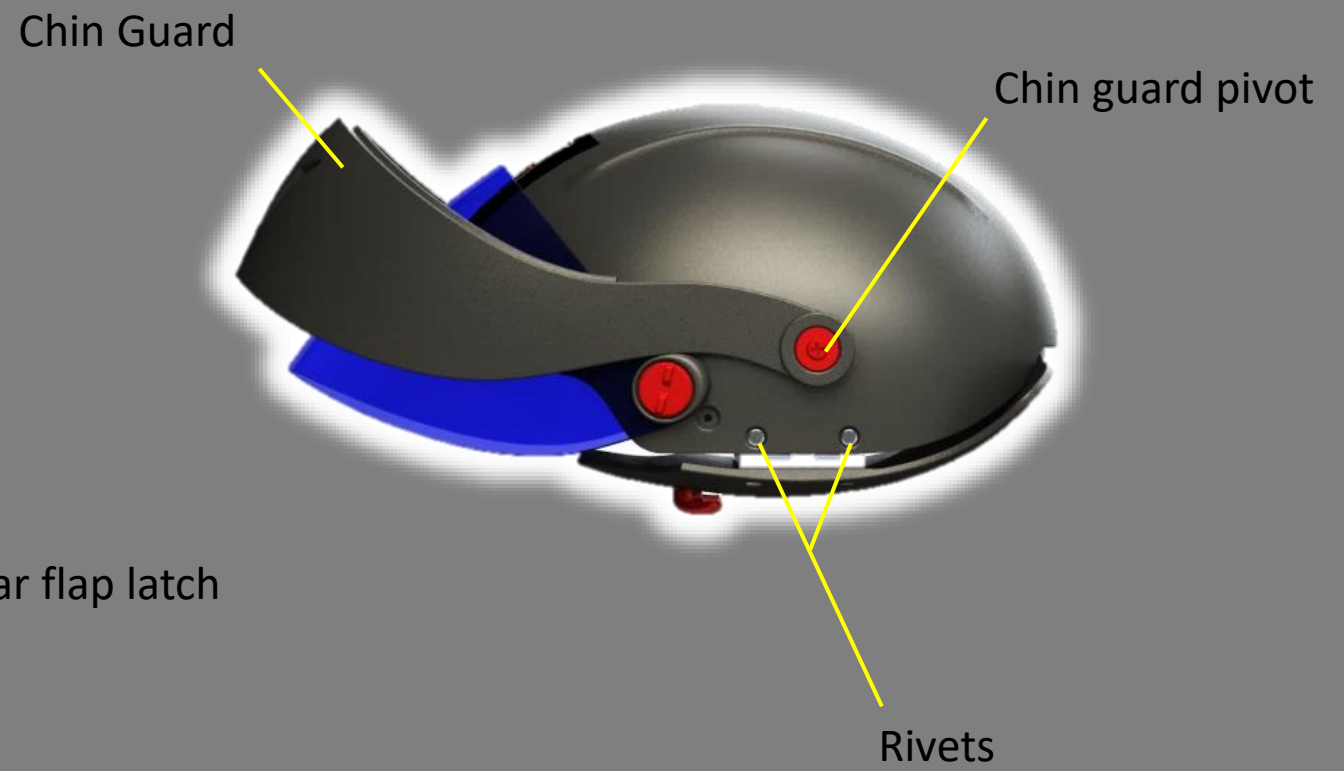
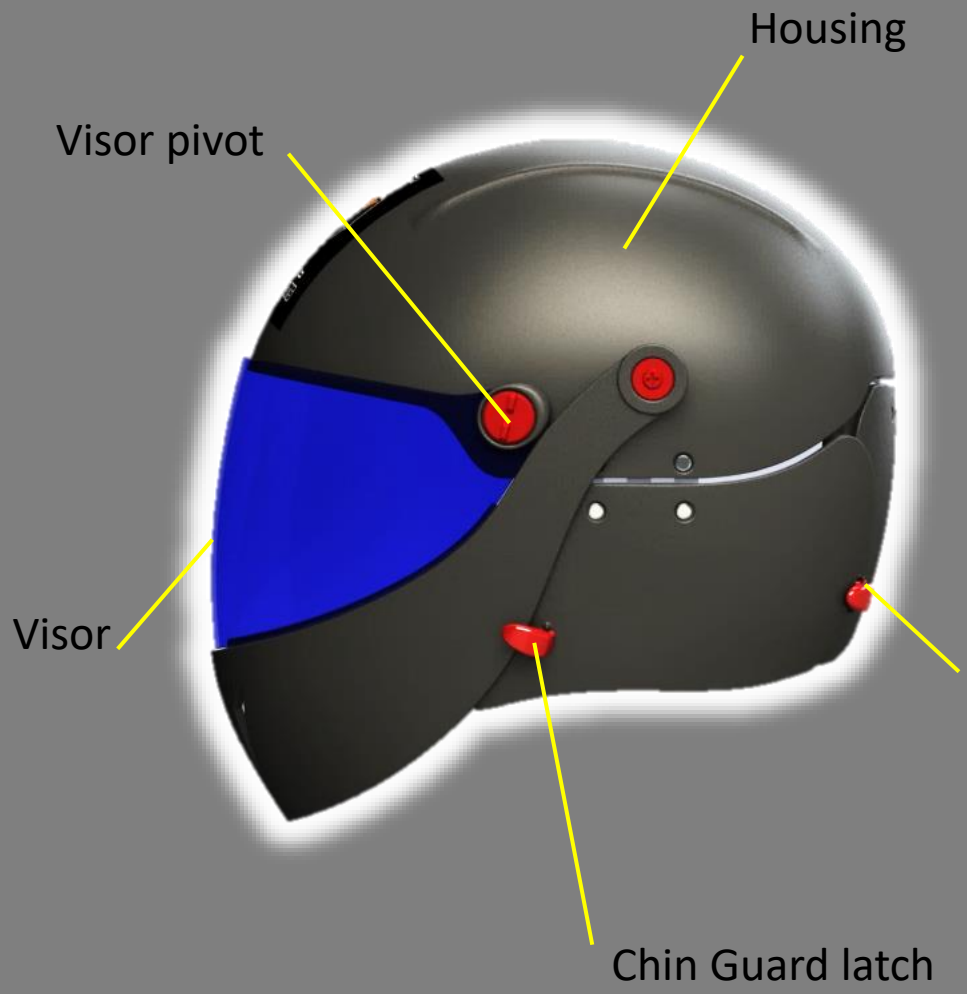
Patent Images 2



Size Adjusting Mechanism



Folding Process

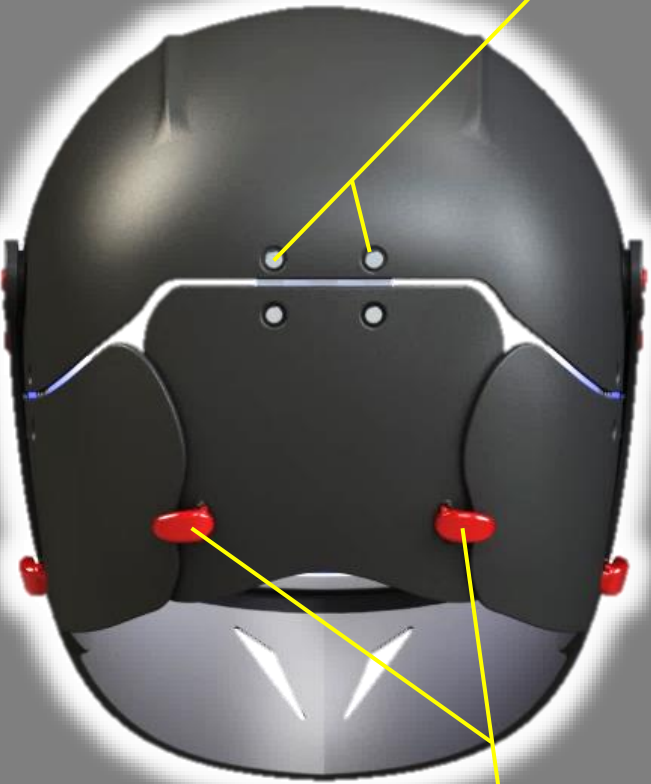


Scoops

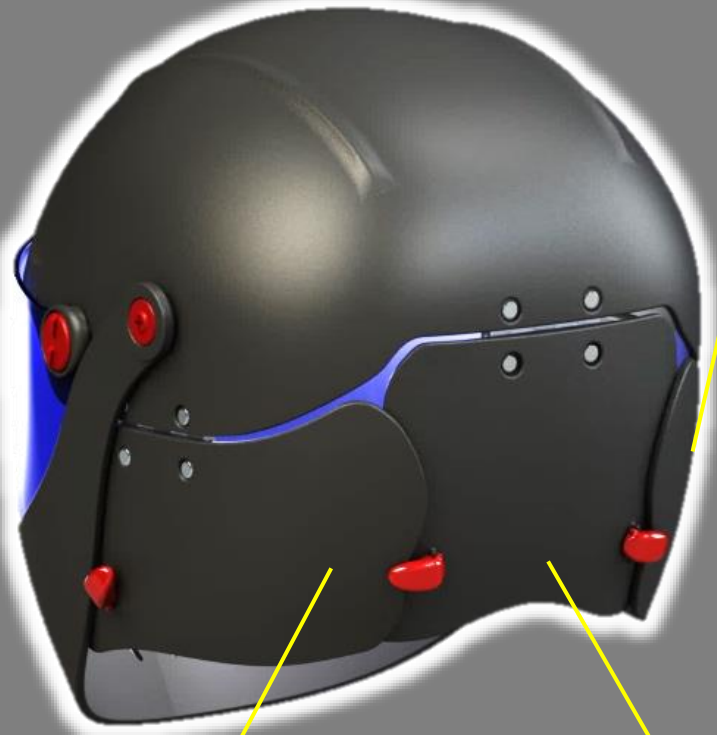


Front air vent

Rivets



Rear flap latch



Left Side flap

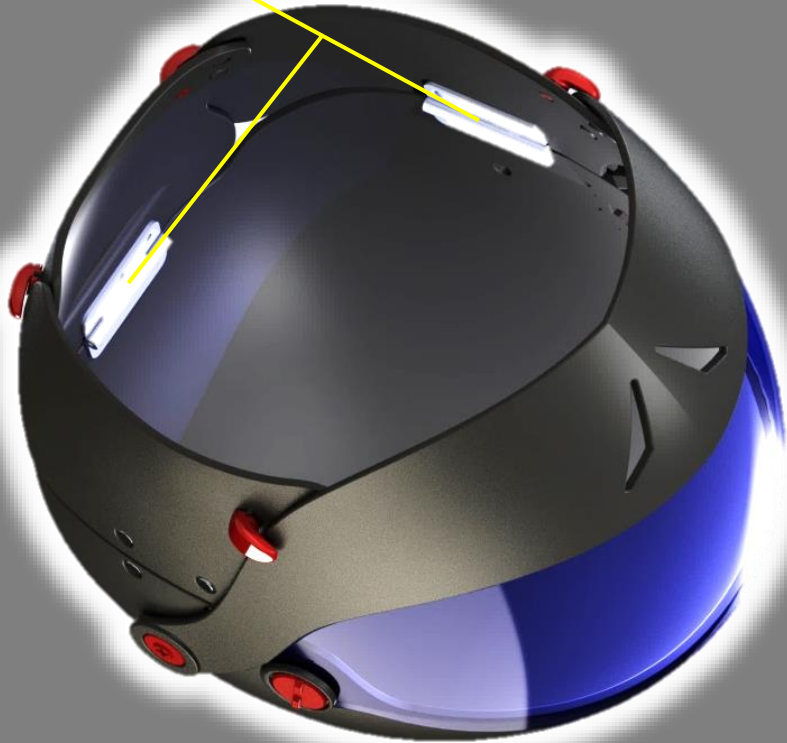
Right Side flap

Rear flap



Housing

Steel Hinges

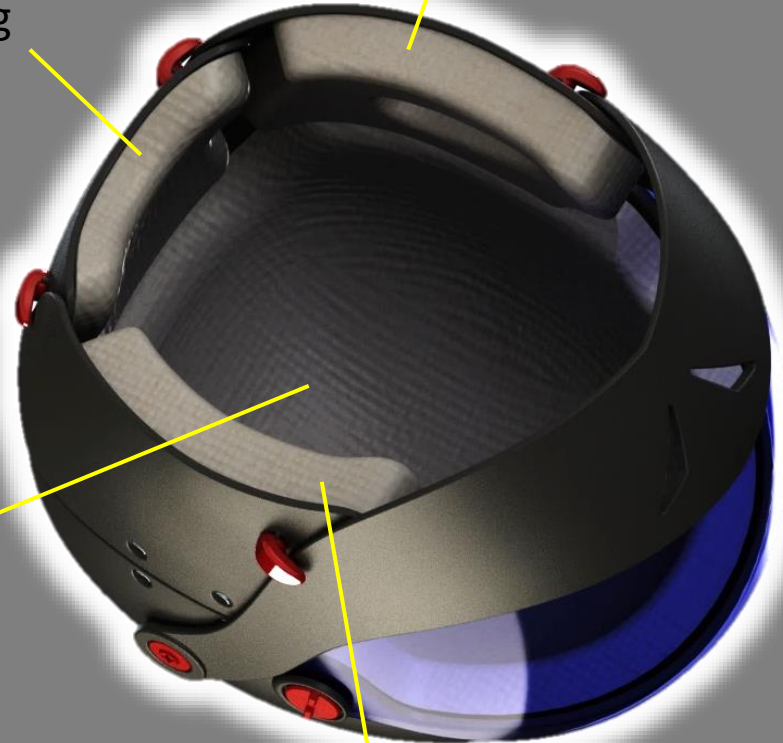


Rear padding

Left side padding

Main Padding

Right side padding

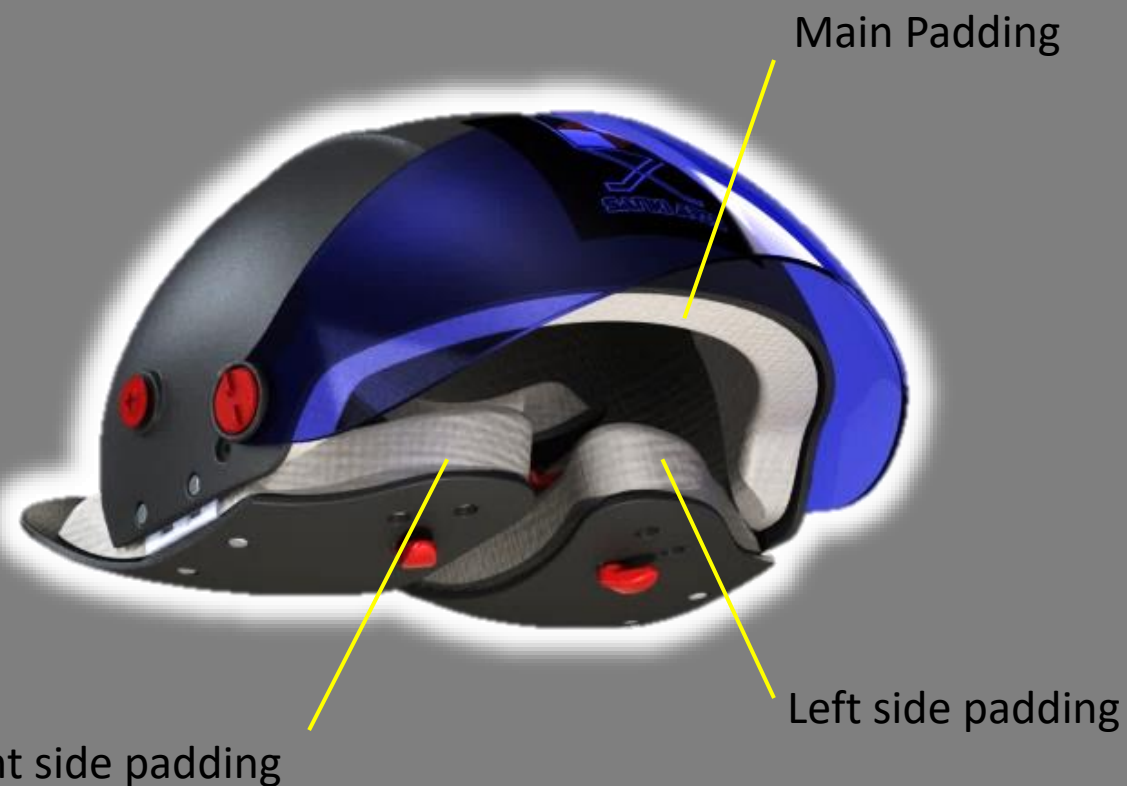


Open Face mode



Rear padding

Unfolded state



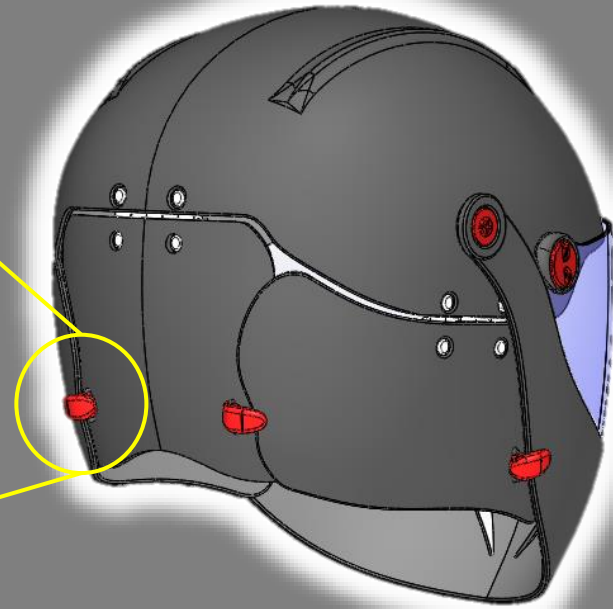
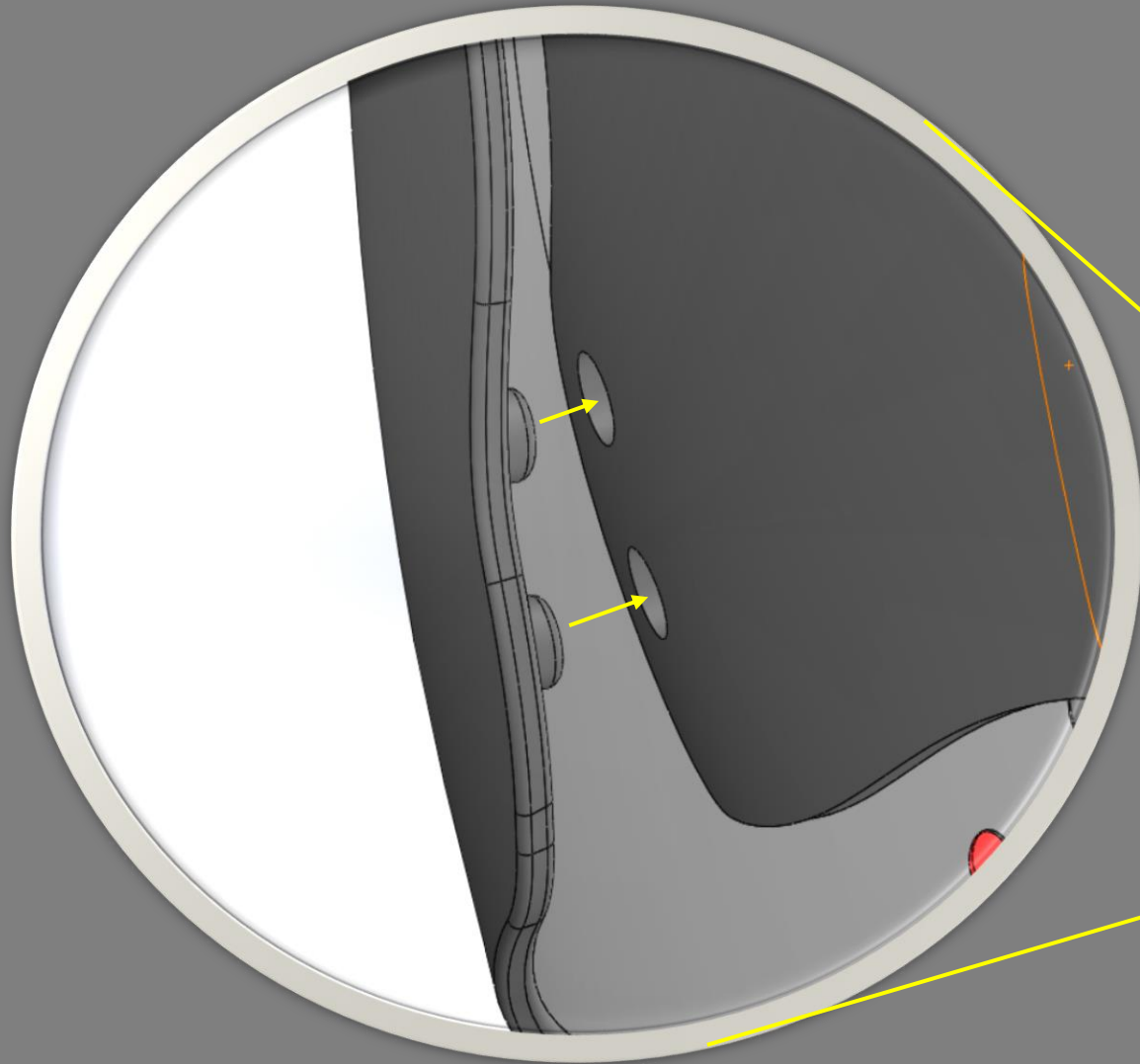
Main Padding

Right side padding

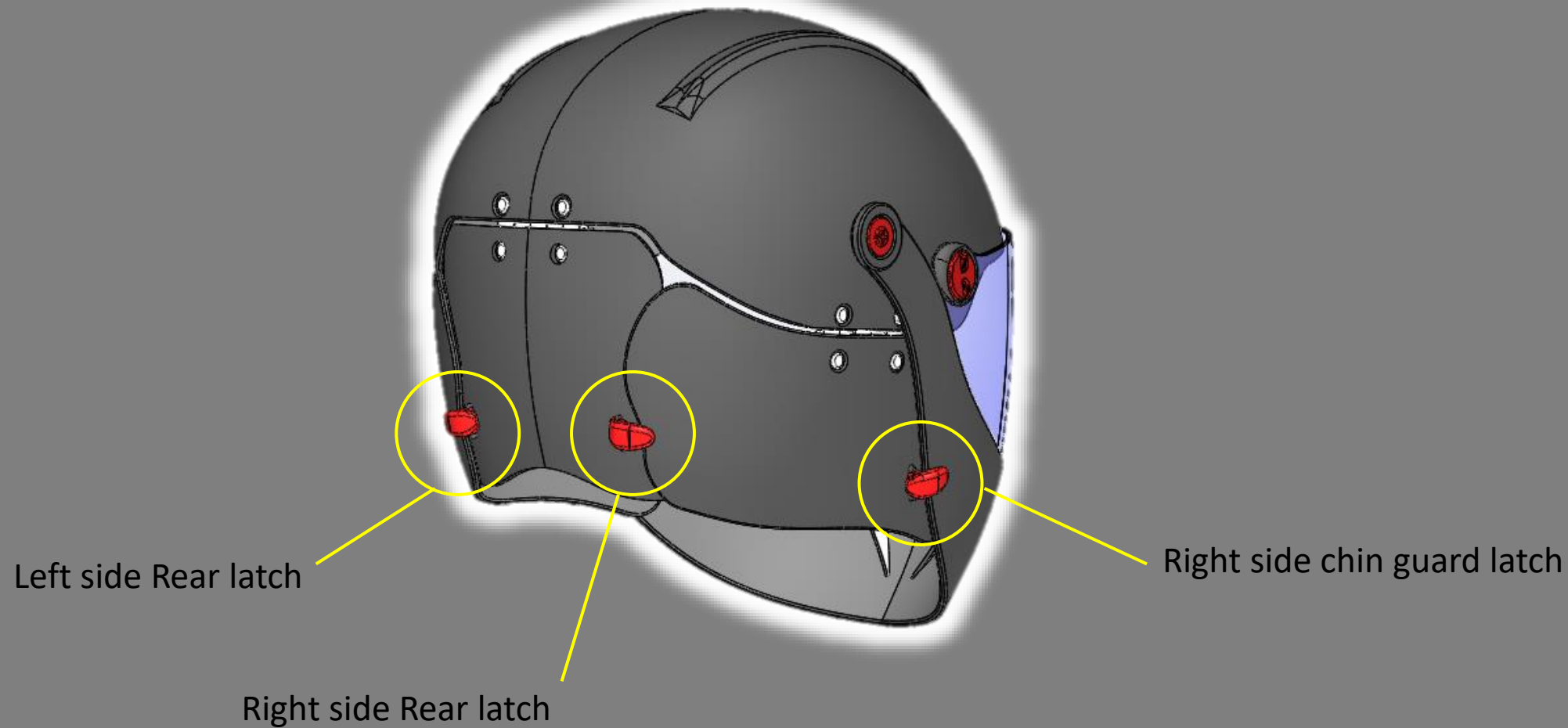
Left side padding

Folded state

Latching Notches



Latching positions for strong structure



Prototype



Unfolded state



Folded state

*Provisional prototype

Prototype



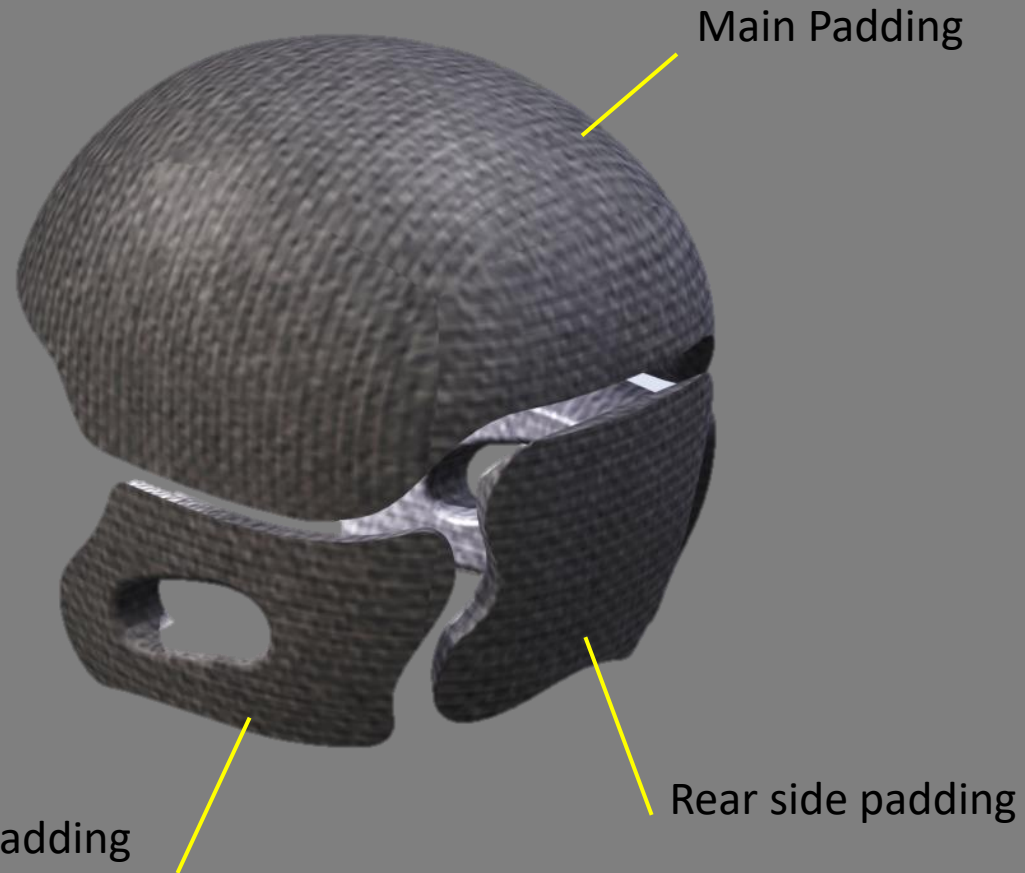
*Provisional prototype

Internal padding in Prototype



*Above padding is made with limited resources only to visualize concept

Internal padding



Thank you....

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Video link- <https://youtu.be/XVpKLOAWqKU>