

CHILD SUNGLASSES DESIGN

DESIGN DATA

Target population:

Dutch children, 0.5 – 7.0 years (NL)

Default range selected:

4 – 5 years



Sex:

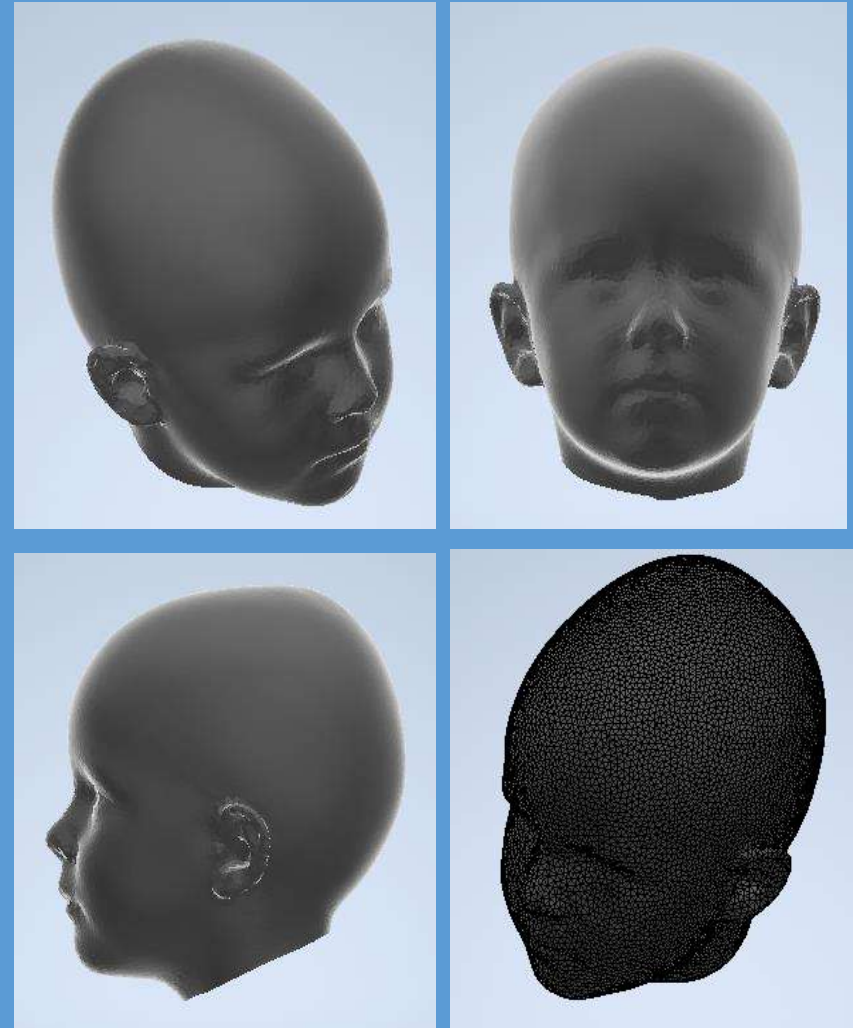
Male

ANTHROPOMETRIC DIMENSIONS

Measure	Unit	Percentil		
		5%	95%	Mean
Head breadth	mm	133	149	141
Nasal root	mm	19	23	21
Nose length	mm	32	38	35
Nose bridge length	mm	20	26	23
Nasal tip protrusion	mm	12	16	14
Nose width	mm	26	30	28

Reference source: Dutch children, 0.5-7.0 years (NL), goto2019

Mannequin 3D Model



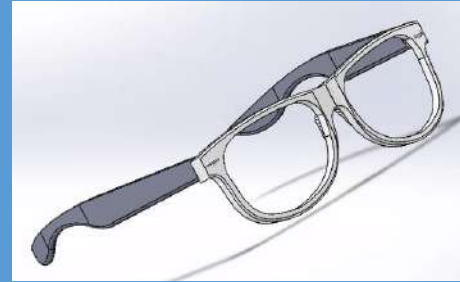
DESIGN RESULTS



Glasses frame



Glasses paw



Glasses assembly



Glasses mount



Top view



Isometric view



Front view

Conclusion:

The designed sunglasses, fit the anthropometric dimensions of the target population, between the 5th and 95th percentiles, and that can be seen in the adjustment of the glasses to the details of the mannequin obtained in the software DINED