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# SPECS & INFORMATION

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### **NORMA Face Shield**

Safe. Comfortable. Cost efficient.



#### NORMA FACE SHIELD Our contribution for safety in your day-to-day work



- Developed in cooperation with the University Hospital Frankfurt
- Improved design in terms of functionality and comfort
- Large quantities available on short delivery times thanks to injection moulding
- + Made in Germany
- + Very good price/performance ratio



## LARGER AREA COVERED

compared to many conventional versions



#### LARGER AREA COVERED

- Extra large visor (larger than the standard with A4), specially cut from polycarbonate
- Visor extends almost to the side of the ears
- + Extended visor length
- + Rounded design, no sharp corners
- Foil sits on the outside of the frame and protects it from contamination



#### **INCREASED COMFORT**

compared to many conventional versions



#### **INCREASED COMFORT**

- + Very light material
- Comfortable to wear with FFP2 mask and (protective) glasses due to increased distance between foil and face
- Better ventilation due to open construction of the frame towards the top
- Large contact surfaces at the temples avoid pressure points for extended wear
- + Polycarbonate visor for best possible vision
- Ergonomic cut ensures maximum freedom of movement



### **EFFICIENT SOLUTION**

compared to many conventional versions



#### **EFFICIENT SOLUTION**

- Frame is made of medical polymer (certified according to VDI standard for medical devices, so-called "Medical Grade Plastics")
- Frame can be reused if it is sterilized professionally
- Replacing the foils is quick and easy (foils are for single use only)
- Also usable with conventional A4 foils (instructions for perforation available from us)
- Polycarbonate film offers best optical properties and very good resistance to chemical substances



# ORDER INFORMATION for NORMA Face Shield





Note: NORMA Face Shield is derived from <u>Face Shield Frame v2r6</u> by <u>Duokino/Muhammad Rahmat Md Padzil</u>, which is licensed and can be used in accordance with <u>CC BY 4.0</u> as well of <u>Protective Visor</u> by <u>Erik Cederberg/3DVerkstan</u>, used and licensed under <u>CC BY-SA 3.0</u>. The NORMA face shield is not a medical device. The face shield is not certified as a medical device and not as personal protective equipment. The user is responsible for its specialist use, cleaning and disinfection. The face shield is not a substitute for wearing a suitable face mask and does not guarantee safety against infections of any kind. The recommended precautions, such as hand disinfection and wearing gloves and a suitable face mask, must also be observed.

#### NORMA FACE SHIELD

The cooperation between the University Hospital Frankfurt, the FWS and the NORMA Group

#### Three strong partners - one strong solution

- + Due to the Corona pandemic, the NORMA Group contacted the University Hospital Frankfurt to offer that face shields could be produced using injection molding if required.
- + This resulted in a close cooperation with a project team of the University Hospital, which was already involved in the production of face shields.
- + The development from the first prototype to the finished product took place in a record time of only four weeks, to which our partner, Formen- und Werkzeugbau GmbH from Schönebeck, contributed significantly.
- Doctors and nurses at the University Hospital Frankfurt tested different design variants and submitted suggestions for further optimization.
- + The combination of the medical-technical know-how of the University Hospital Frankfurt, the development expertise of the NORMA Group and the experience of the toolmaking professional FWS were instrumental to the success of the project.







#### Our products are used in a wide range of medical applications



NORMAPLAST hose connectors are used by leading manufacturers of ventilators and dialysis devices for the safe and reliable connection of hoses. NORMAPLAST hose connectors & screw-in nozzles are used in sterilization equipment. Hose clamps from the NORMA Group are used in mobile hand washing stations, among others. Our subsidiary **CONNECTORS** specializes in **sterile connection technology** for the pharmaceutical and biotech industries.



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