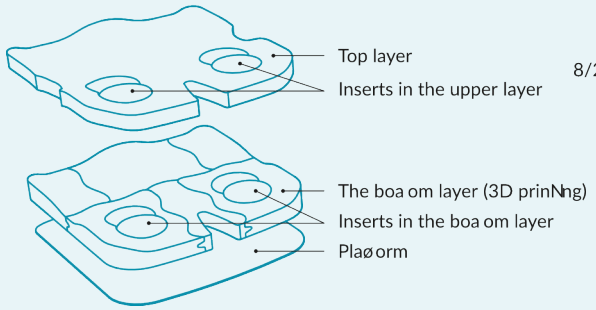
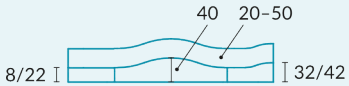
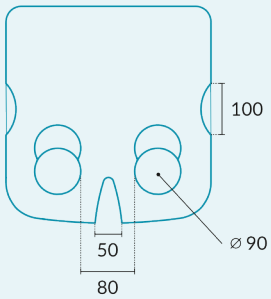
libella seat:varia

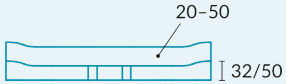
Seat parts



Dimensions (in mm)

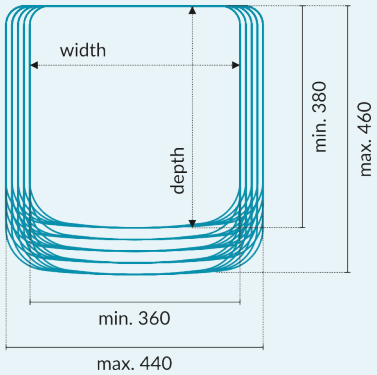






Size range

The depth and width of the seat can be selected in a range of 20 mm



Weight

An average seat weighs about 1.8 kg

Materials

Platform—a light, rigid and durable composite material made of a strong and light sandwich (Core 2 mm) and two thin layers of carbon fibre (1.5 mm). The material thickness tolerance is ± 10% of the nominal part thickness. The part is made of carbon fibre and is not manufactured industrially but as a custom individual production. For this reason, the product is not certified and is therefore not subject to ISO. The material is moisture resistant.

3D printed parts—filament made of thermoplastic elastomer (TPE) to produce 3D printed ergonomically shaped seat components is used. The material is recommended by the manufacturer for application on stressed parts, use in places of frequent bending, for rubber parts of machines and fasteners. It is impact-resistant, abrasion-resistant, has good chemical resistance and is resistant to temperature differences (melting point of the material is 155–220 ° C). It is non-toxic to the environment, harmless to normal use. Manufacturer's warning: may cause skin burns (TPE) when heated at high temperatures.

Foamed latex—a new material produced in a gentle way from natural rubber. It is characterized by long life, optimal orthopaedic properties, antibacterial properties, mite repellence and excellent breathability and vapour permeability due to the open, finely porous structure. Provides optimal orthopaedic support, allows good pressure distribution and blood circulation to the skin. Compared to memory foams, it does not lose its properties.

The upper part of the coating—breathable, flexible 3D spacer fabric made of 100% polyester with a thickness of 6 mm, which distributes the pressure well and copies the properties of the inner materials, does not roll over the surface of the seat. The manufacturer declares this material to be medical harmless.