

SMART GLASSES - FLEX

SMARTFLEX

— CONCEPT HINGE —

✓
PATENTED



FLEXIBILITY MEETS CONNECTIVITY

SMARTFLEX

— CONCEPT HINGE —



smartflex – the spring hinge for smart glasses

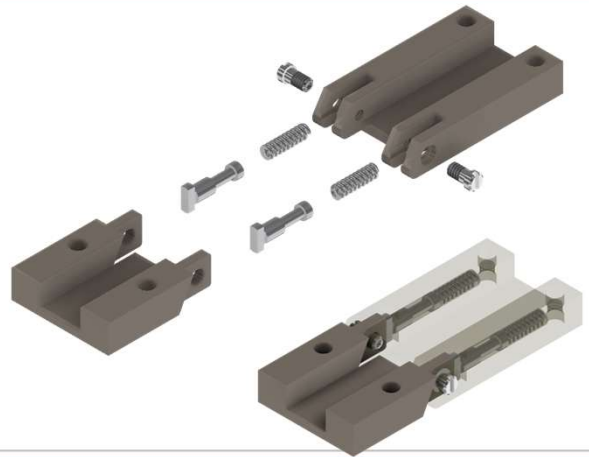
Designed specifically for heavy smart glasses, our patented smartflex delivers exceptional comfort through intelligent flexibility. By actively reducing pressure on the head, it ensures a more relaxed and ergonomic wearing experience, even during extended use. Crafted from **high-grade titanium**, the hinge combines outstanding strength with remarkable lightness—at **just 4.5 g**, it weighs about the same as a few paperclips, making it almost unnoticeable once worn.

Despite its advanced performance, handling and assembly remain effortless: the hinge is simply screwed onto the respective frame, providing a reliable and efficient solution for smart glasses that demand enhanced flex and durability.

smartflex – Components per temple

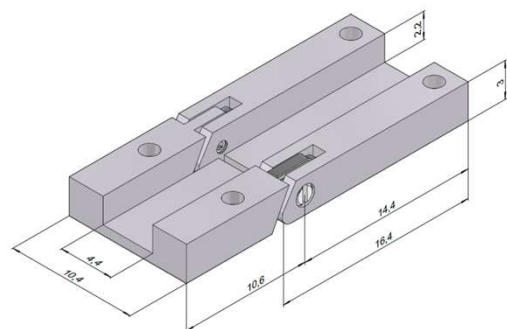
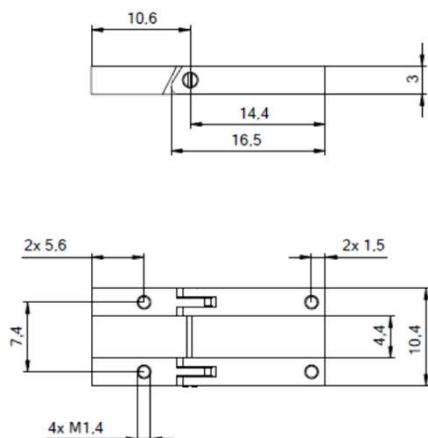
- 1 Housing & 1 front part made of titanium
- 2 pistons & with integrated stainless-steel springs
- 2 hinge screws

These components are delivered completely assembled. It is only necessary to screw the smartflex to the smart glasses. The respective assembling screws vary according to the thickness of the smart glass.



smartflex – Dimensions

The smartflex features a built-in cable tunnel with a width of 4.4 mm and a height of 2.2 mm. This integrated channel for cables or FPCs ensures smooth and reliable routing, supporting optimal functionality. By protecting the cable during repeated opening and closing of the temples, it prevents damage and contributes to the long-term durability of the smart glasses.



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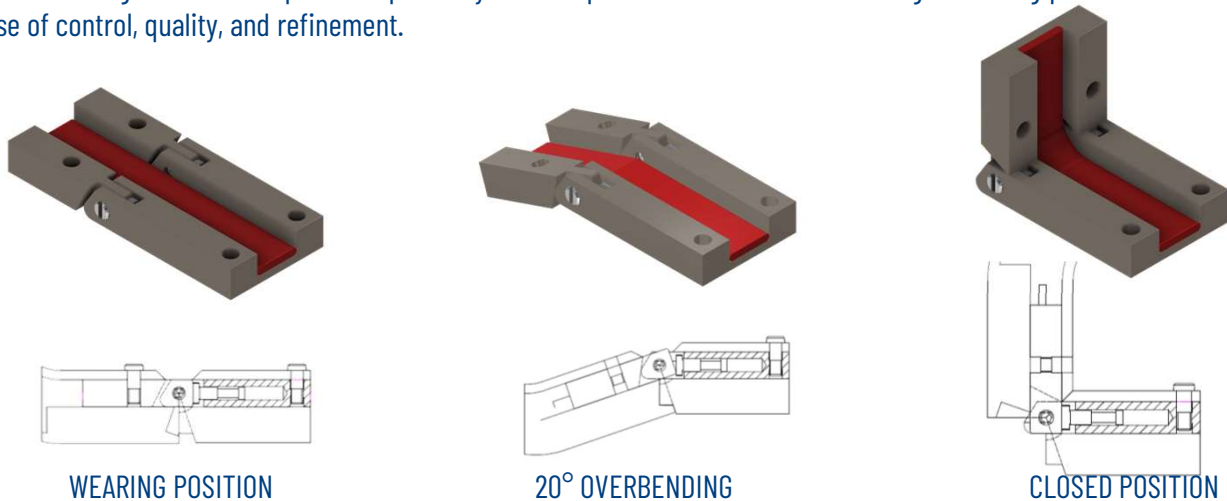
smartflex – Assembly of cable / FPC

Assembly of electronic components such as cables or FPCs into the smartflex is simple and efficient. The process requires only inserting the FPC into the integrated channel. With a channel height of 2.2 mm, the design also allows folding of the cable.



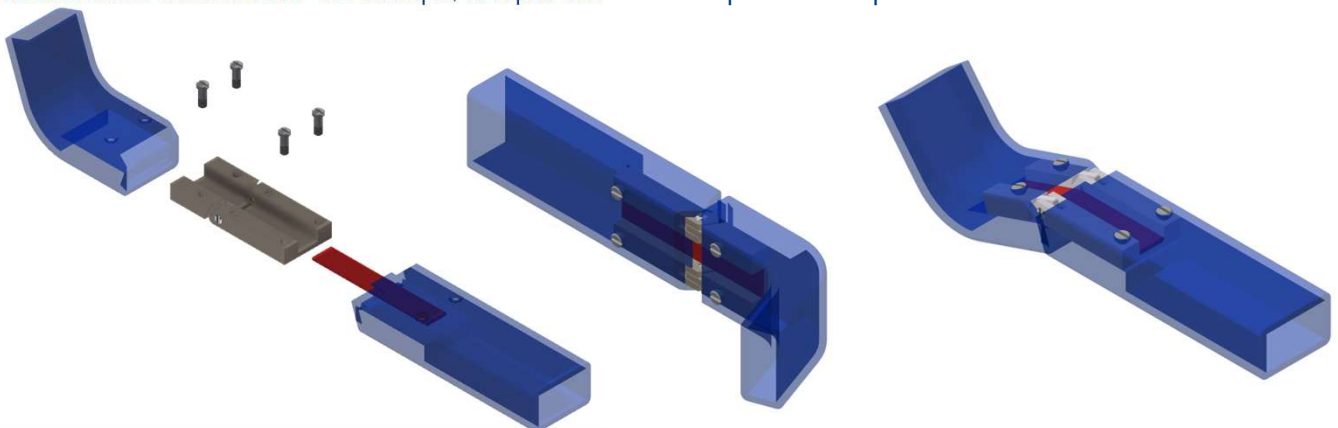
smartflex – Comfort thanks to flexibility

Thanks to the integrated spring hinge, smartflex offers superior comfort and effortless handling. The flexible mechanism allows the frame to adapt naturally when putting it on, ensuring a smooth and comfortable experience. The sophisticated double-action guides the temples into precisely defined positions—both in the wearing or closing position - delivering a sense of control, quality, and refinement.



smartflex – Assembly on temple & front hinge

smartflex is easily mounted to the smart-glasses temple using four screws, whether the temple is made of injection-molded or 3D-printed plastic. The connection is stable and secure, while still allowing the hinge to be quickly disassembled when needed—for example, to repair electronic components or replace a cable.





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