oBE
Präzision
NO. 1 SUPPLIER OF
SMART HINGES
CONNECTING
PEOPLE
TO A SMARTER
TOMORROW
PRECISION
IN MOTION
FOR A SMARTER
WORLD

SMART HINGE SOLUTIONS

PIONEER OF SMART HINGE TECHNOLOGY

OBE has successfully transferred its expertise from the traditional eyewear market to the emerging data glasses market and offers both standardised solutions and customised options to meet the specific requirements of this developing industry.

ONE PLATFORM. MANY POSSIBILITIES.

FUNCTION | COMFORT | INTEGRATION

FEATURES

INNOVATION
Patented and future-oriented designs
Continuous development for next generation eyewear
Customised solutions for specific customer requirements

DESIGN
Neutral, universal design
Suitable for various eyewear styles
Compact and elegant form factors
Scalable to different sizes

COMFORT
Spring and non-flex solutions
Optimal fit – even for heavy frames
Smooth and controlled movement
Minimised play for a premium wearing experience

CABLE INTEGRATION
Reliable cable feedthrough solutions for data and power cables
Protection against cable stress and tangling
Different cable widths and configurations
Seamless integration into the hinge

FUNCTION
Stable, precise and durable
Up to 50,000 movements
Low maintenance – no regular retightening
Exchangeable components where possible

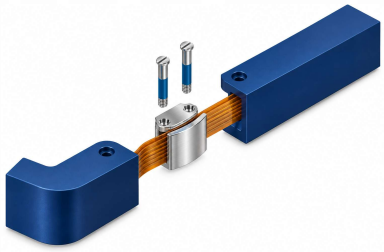
MATERIALS & COMPLIANCE
Medical-grade stainless steel
Nickel-free materials for sensitive users
Corrosion-resistant and long-lasting
All products RoHS compliant

APPLICATIONS
Smart glasses, AR/VR and data glasses
Standard eyewear and premium frames
Suitable for acetate, metal and injected frames
Ready for next generation wearable devices

CABLE FEEDTHROUGH SOLUTIONS

RELIABLE, COMPACT, AND READY FOR THE NEXT GENERATION.

SMARTLINK
COMPACT CABLE HINGE



SMALL SIZE. BIG POSSIBILITIES.

FLOWLINK
INTEGRATED CABLE ROUTING

SEAMLESS INTEGRATION.

SMARTFLEX
NEXT GENERATION SPRING HINGE

FLEXIBILITY FOR THE FUTURE.

OBE – ENABLING THE NEXT GENERATION OF SMART EYEWEAR.

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SMART HINGES – SUCCESSFUL APPLICATIONS

DIFFERENT SOLUTIONS FOR DIFFERENT SMART EYEWEAR REQUIREMENTS

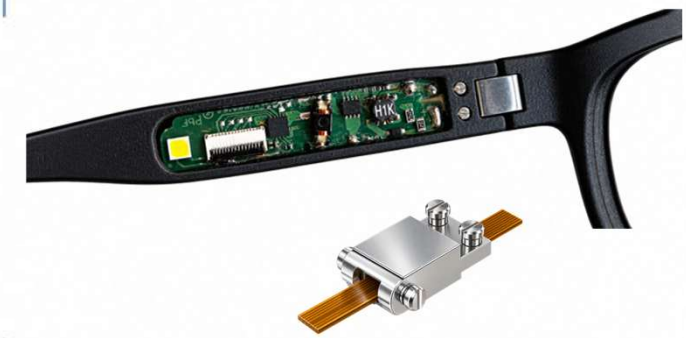
ENABLING THE NEXT GENERATION OF EYEWEAR

GAPPY | USABILITY FOR SMART FUNCTIONS

INFLEX | STABILITY & REPLACEABILITY

SMARTLINK | PERFECT CABLE ALLOCATION

FLOWLINK | UNIVERSAL DESIGN & 3 STANDARD SIZES



TECHNICAL OVERVIEW | KEY FEATURES AT A GLANCE

Feature	Inflex	Gappy	Flowlink 3 mm	Flowlink 6 mm	Flowlink 7.2 mm	Smartlink	Smartflex
FUNCTIONAL FEATURES							
Spring Function	✓	X	X	X	X	X	✓
Cable Routing	X	X	✓	✓	✓	✓	✓
Detachable	✓	✓	✓	✓	✓	✓	✓
MECHANICAL PROPERTIES							
Material	Stainless Steel	Nickel Silver	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Titanium
Weight (g)	1,78	2,55	0,85	2,4	2,5	4,2	4,9
Durability (Cycles)	50.000	50.000	25.000	25.000	25.000	25.000	50.000
Cable covered	X	X	✓	✓	✓	✓	Partially
CABLE INTEGRATION							
Maximum Cable Width (mm)	X	X	2	3	4,2	4,4	4,4
Maximum Cable Thickness (mm)	X	X	0,45	2	1,6	0,8	0,8

OBE HEADQUARTER

PRECISION CREATES POSSIBILITIES

FACTS ABOUT OBE

- Founded 1904
- > 520 employees worldwide
- Key supplier in eyewear
- 4 facilities worldwide
- ISO 9001:2015
  DIN EN ISO 14001 and EMAS

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