

OBE
Präzision

NO. 1 SUPPLIER OF SMART HINGES

CONNECTING
PEOPLE
TO A SMARTER
TOMORROW

PRECISION
IN MOTION
FOR A SMARTER
WORLD



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



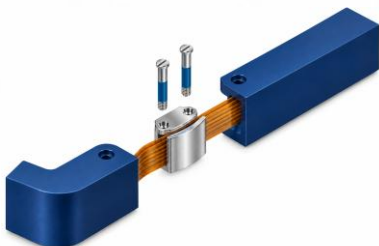
APPLICATIONS

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.

SMART HINGES – SUCCESSFUL APPLICATIONS

DIFFERENT SOLUTIONS FOR DIFFERENT SMART EYEWEAR REQUIREMENTS

ENABLING
THE NEXT
GENERATION
OF EYEWEAR

GAPPY

USABILITY FOR SMART FUNCTIONS



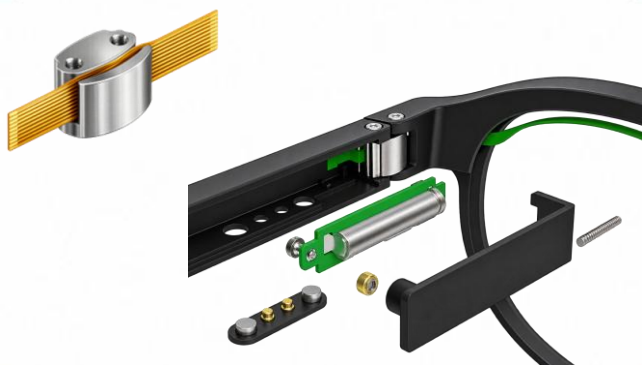
INFLEX

STABILITY & REPLACEABILITY



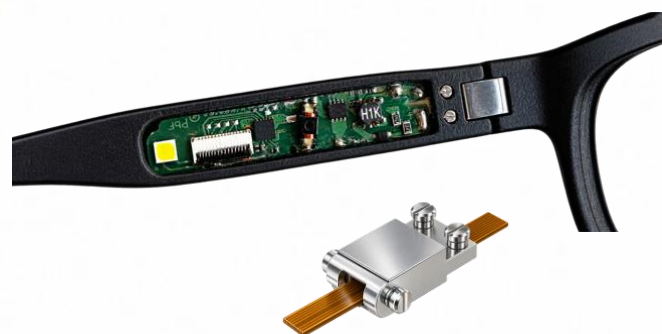
SMARTLINK

PERFECT CABLE ALLOCATION



FLOWLINK

UNIVERSAL DESIGN & 3 STANDARD SIZES



TECHNICAL OVERVIEW

KEY FEATURES AT A GLANCE

Feature	Inflex	Gappy	Flowlink 3 mm	Flowlink 4 mm	Flowlink 6 mm	Smartlink	Smartflex
FUNCTIONAL FEATURES							
Spring Function	✓	X	X	X	X	X	✓
Cable Routing	X	X	✓	✓	✓	✓	✓
Detachable	✓	X	✓	✓	✓	✓	✓
MECHANICAL PROPERTIES							
Material	Stainless Steel	Nickel Silver	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Titanium
Weight (g)	1,78	2,55	0,84	1,51	2,39	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	Partially
CABLE INTEGRATION							
Maximum Cable Width (mm)	X	X	2	2	3	4,4	4,4
Maximum Cable Thickness (mm)	X	X	0,45	0,79	2	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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