

HIPP Endoskop Service GmbH

>> *your requirements are our aims.*



HIPP Fiber Borescope Series FB

Technical Product Information

MADE IN GERMANY



HIPP Borescopes

>> *for industrial application.*



■ Our vision – giving the gift of time to our customers

The optimum orientation towards our customers with their needs and requirements constitutes a constant challenge for us to make a small but valuable contribution in facilitating their daily routine. Due to a service portfolio tailored to suit the specific needs of the market and compatibility with other well-known borescope manufacturers, HIPP has evolved into one of the leading companies in the field of industrial endoscopy. We might not be a leader in terms of company size or volumes of systems installed, but certainly we are a leader in manufacturing a well-selected product range of customized borescopes.

HIPP Endoskop Service GmbH was founded in July 1996 by Alexander and Frank Hipp. As integrated service providers and manufacturers we stand for traditional value structures. Our activities have always been focussed on the development, maintenance and manufacture of all types of industrial borescopes. Thanks to our extensive know-how along with the strong personal commitment of all our employees, creativity, team spirit as well as the stability and permanence of a family-owned business we guarantee the highest level of quality – “Made in Germany”.

HIPP Service – customer orientation is our benchmark

Of course, customer care and after-sales service are our first priority. Spare parts supply is guaranteed for 10 years. Short repair times in the event of damage (14 days) as well as quick and uncomplicated processing are part of our standards.

HIPP Fiber Borescope Series FB

>> *flexible.*



■ HIPP Fiber Borescope Series FB – maximum benefit through high user-friendliness

HIPP Fiber Borescopes Series FB are used in a wide range of industries covering various applications including:

Plant Engineering

Testing of pipelines in the chemical, pharmaceutical and food industry, etc.

Construction and Sanitary Sector

Inspection of pipes and tubes, duct testing, pipe testing (waste water, tap water), leakage, etc.

Aerospace

Inspection of cavities for fatigue breakage, etc.

Wind Power and Energy

Examination of gearboxes for wind power plants in their installation position, etc.

Machining Industry

Visual inspection without component destruction (drilling, blind holes, cross-holes), etc.

Customs and Police Authorities

Search for contraband goods in cavities, etc.

HIPP Fiber Borescopes Series FB are characterized by:

- Optimum image quality thanks to focussing in the close and far range
- Easy integration of HIPP Borescopes into existing systems due to compatibility
- Compliance with all requirements of digital image processing due to a high-resolution optical system
- Ergonomic handle and small bending radius
- Borescope hose with tungsten coating, protection class IP 64, entire borescope protection class IP 54



HIPP Fiber Borescope Series FB

>> *features.*



Product Profile

FB Fiber borescope, steplessly focusable, image processing by glass fiber bundle (18,000 pixels). The borescope hose is perfectly protected against external influences by a highly flexible tungsten coating. Thanks to its small bending radius of $r = 6$ mm at the top of the borescope, the device offers a high degree of flexibility for precise work also in those areas difficult to access. The ergonomic design of the handle facilitates working. Variable working lengths.



FLEXIBLE
UNWINDING 2x 125°



LINE OF SIGHT
(0°)



AVAILABLE GLASS FIBER DIAMETER
3,8 mm



APERTURE (FIELD OF VIEW)
75°



IMAGE PROCESSING
THROUGH GLASS FIBER BUNDLE



EFFECTIVE LENGTH
300 mm und 700 mm



FOCUS VARIABLE

Note

HIPP Fiber Borescopes Series FB have a standard aperture of 75°. The viewing direction is 0°.

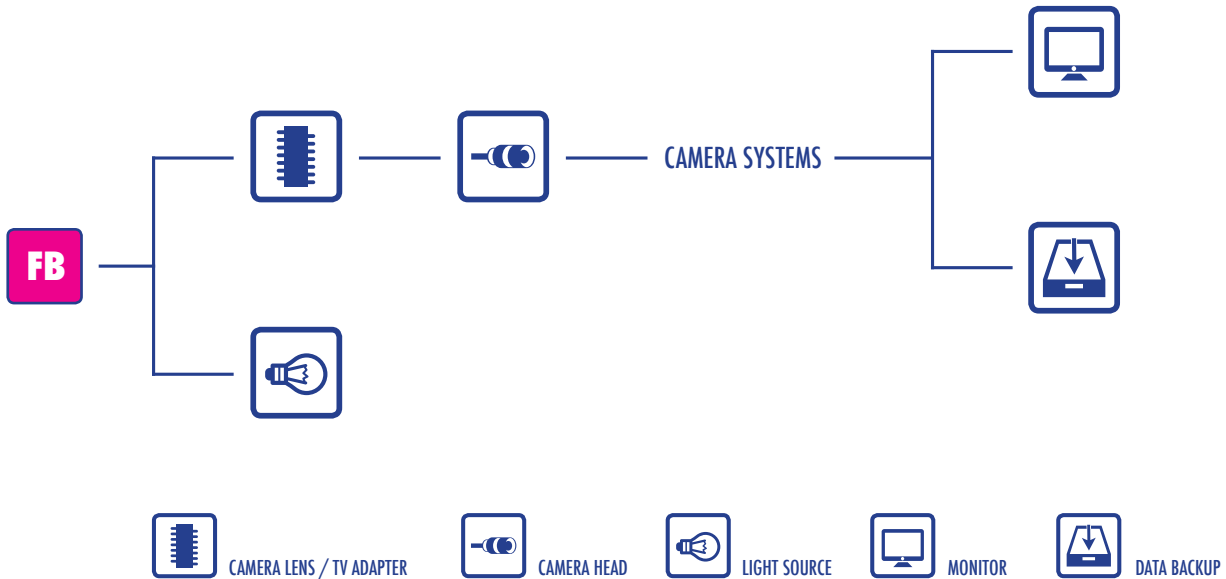
HIPP Fiber Borescope Series FB

>> modular system.



Modular System

HIPP Fiber Borescopes Series FB are compatible to various camera systems and light sources (sometimes also from other manufacturers).



Accessories

Information about our wide range of accessories such as image processing systems (camera adapters, cameras, monitors), cold light sources and optical fibers as well as the compatibility with other manufacturers can be found in additional product informations.



HIPP Fiber Borescope Series FB

>> *configurator.*



■ Borescope-Configurator

The HIPP Borescope-Configurator will assist you to choose the borescope you are interested in.

1. Please specify the fiber diameter. This should be much smaller than the hole:

3.8 mm

2. Select the desired length of fiber:

300 mm

700 mm

■ Note

HIPP Boroscopes Series FB have a standard aperture of 75 °. The viewing direction is 0 °.



For more information, visit our website.

HIPP Fiber Borescope Series FB

>> *variants overview.*



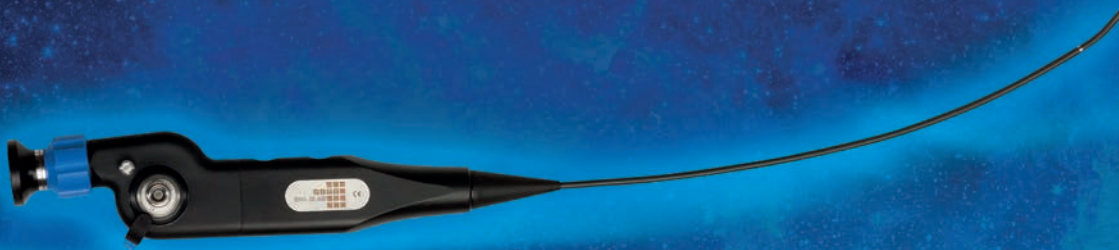
■ Glass Fiber Diameter: 3.8 mm

Ø [mm]	Effective length [mm]	Unwinding	Aperture	Resolution	Item-No.
3.8	300	2 x 125°	75°	18000 px	HT-38-300-FB
3.8	700	2 x 125°	75°	18000 px	HT-38-800-FB

Your Notes

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HIPP Endoskop Service GmbH
Glottertalstrasse 10
79108 Freiburg / Germany
Telephone: +49 (0) 761 / 52800
Telefax: +49 (0) 761 / 52855
E-Mail: info@hipp-es.com
Internet: www.hipp-es.com

