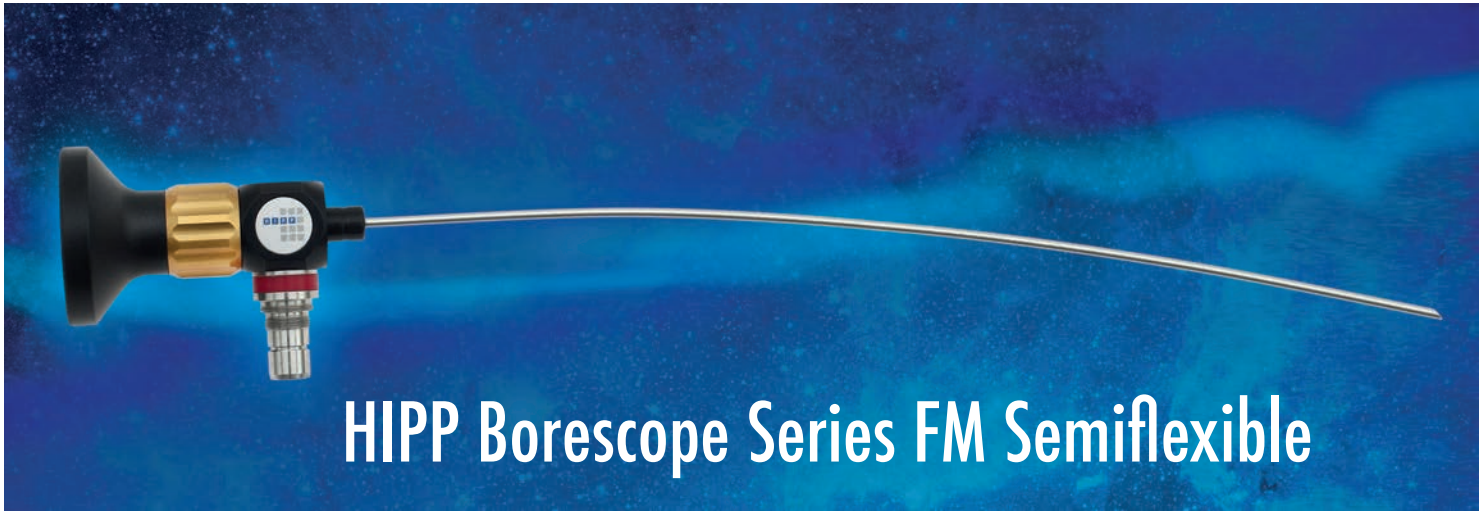


HIPP Endoskop Service GmbH

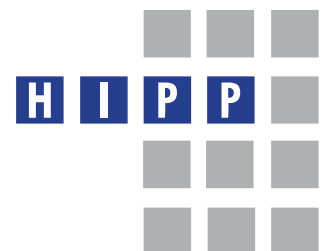
>> *your requirements are our aims.*



HIPP Borescope Series FM Semiflexible

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 Borescope Series FM Semiflexible

>> *without handle, non-rotatable shank.*



■ HIPP Borescope Series FM Semiflexible – maximum benefit due to high user-friendliness

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

Plant Engineering

Testing of pipes (leakages), hydraulic lines, hydraulic cylinders, castings

Automotive

Testing of cylinders, pistons and valves, inspection of gearboxes and bearings, turbochargers

Aerospace

Turbine testing, crack testing

Mechanical Engineering

Quality control of drilling operations, surfaces / quality assurance, automatic test systems

HIPP Borescopes Series FM Semiflexible are characterized by:

- Optimum image quality thanks to focussing in the close and far range as well as small outside diameters
- Easy integration of HIPP Borescopes into existing systems due to compatibility
- The use of sapphire glass increases both the application spectrum and the lifetime
- Suited for extreme conditions in liquids and at temperatures from - 10°C to + 100° C
- Compliance with all requirements of digital image processing due to a high-resolution optical system
- Protection class IP 67 for the shank tube and IP 65 for all other borescope parts
- Image processing with an image bundle of 30,000 pixels



HIPP Borescope Series FM Semiflexible

>> *features.*



Product Profile

FM Semiflexible borescope, without handle, with non-rotatable shank. Image processing by quartz glass fibers in steel tube. Made from stainless steel – „Made in Germany“.



SEMI-FLEXIBLE



USEFUL LENGTH (VARIES, DEPENDING ON THE PIPE DIAMETER)
150 mm, 300 mm, 1000 mm



FOCUSABLE 1 mm - ∞



LINE OF SIGHT (COLORED MARKING ON THE SHANK)
(0°/ 30°)



AVAILABLE SHANK DIAMETER
2.0 mm / 2.4 mm



APERTURE (FIELD OF VIEW)
85°

Note

HIPP Borescope Series FM Semiflexible have a standard aperture of 85°.

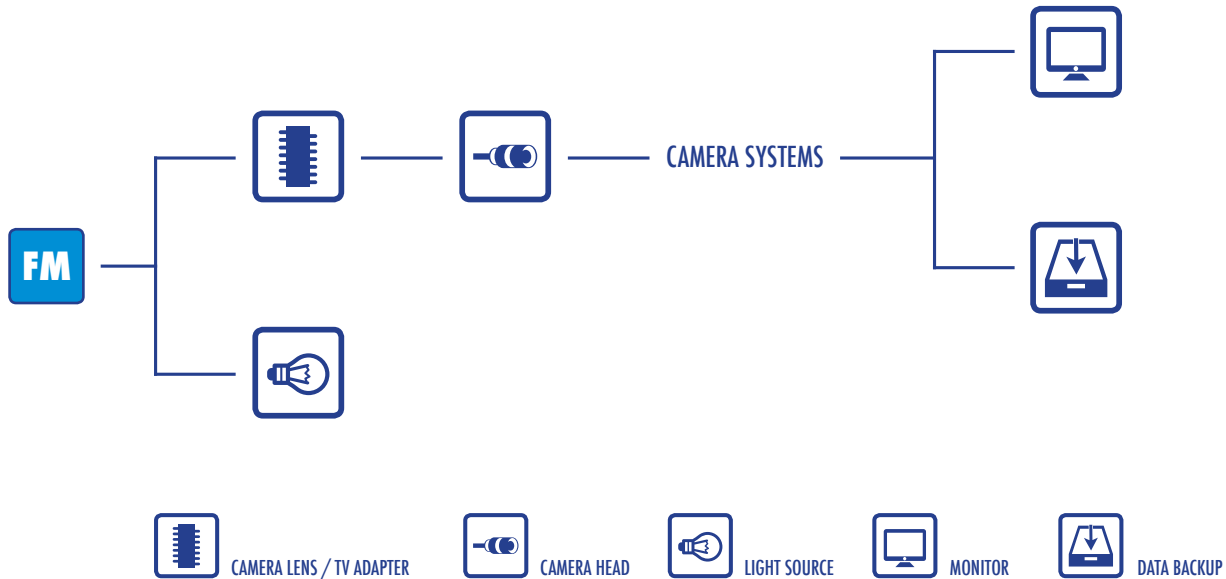
HIPP Borescope Series FM Semiflexible

>> modular system.



Modular System

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



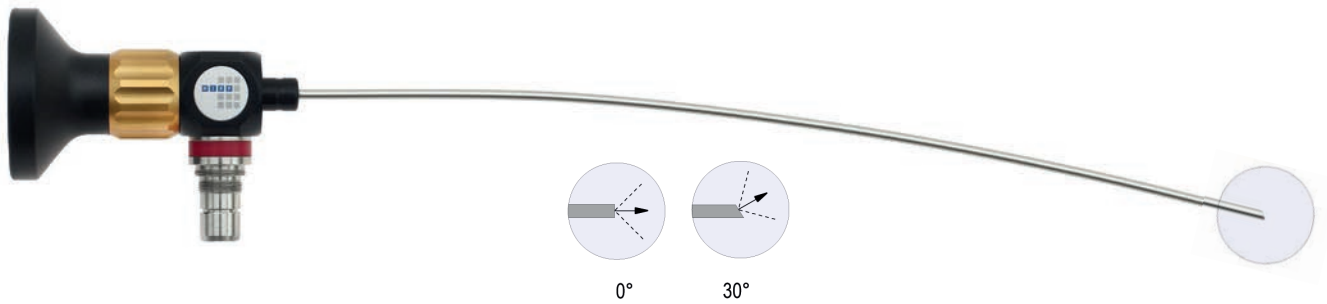
Accessories

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 Borescope Series FM Semiflexible

>> *configurator.*



Borescope-Configurator

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

1. Please determine the shank diameter. This should be much smaller than the hole:

2. Please enter the required effective length:

3. Please choose the viewing direction you want: 0° / 30°:

Note

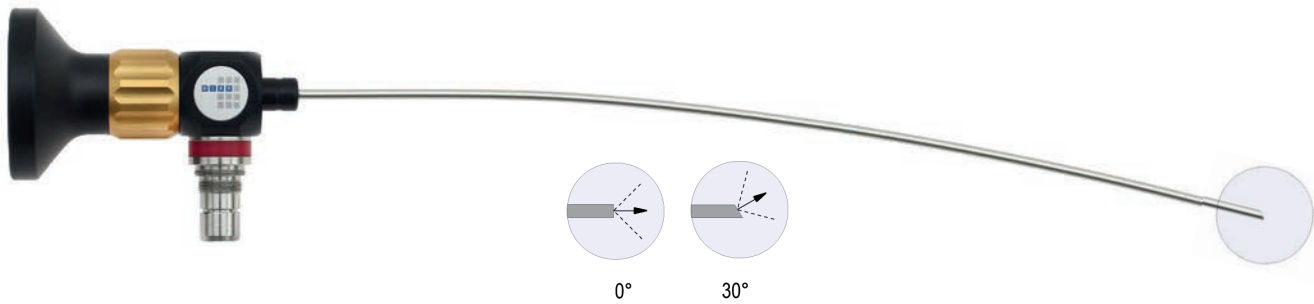
HIPP Borescope Series FM Semiflexible have a standard aperture of 85 °.



For more information, visit our website.

HIPP Borescope Series FM Semiflexible

>> variants overview.



Shank Tube Diameter: 2.0 mm to 2.4 mm

Ø [mm]	Effective length [mm]	Viewing Direction	Aperture	Item-No.
2.0	150	0°	85°	HT-0150-20-FM-b
2.0	150	30°	85°	HT-3150-20-FM-b
2.0	300	0°	85°	HT-0300-20-FM-b
2.0	300	30°	85°	HT-3300-20-FM-b
2.0	1000	0°	85°	HT-01000-20-FM-b
2.0	1000	30°	85°	HT-31000-20-FM-b
2.4	150	0°	85°	HT-0150-24-FM-b
2.4	150	30°	85°	HT-3150-24-FM-b
2.4	300	0°	85°	HT-0300-24-FM-b
2.4	300	30°	85°	HT-3300-24-FM-b
2.4	1000	0°	85°	HT-01000-24-FM-b
2.4	1000	30°	85°	HT-31000-24-FM-b

Your Notes



HIPP Endoskop Service GmbH

>> *your requirements are our aims.*



HIPP Borescope Series FM Semiflexible

Technical Product Information



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