

SCHOTT® Image Guides

For Flexible Imaging Applications



Our 6 micron fiber has been re-engineered with improved flexibility and durability.

Product and Performance Characteristics

From design to final inspection, the innovative development process for these fiber bundles was developed and is continuously improved by SCHOTT, a leading company in the development and manufacturing of customized medical devices.

Our Image Guides are produced by a unique process which includes multiple draws of a high index core glass with a lower index clad glass and an acid-soluble jacket glass. The resulting glass rods are then chemically leached to create a flexible coherent image bundle. These bundles are then covered with sheathing, polished and inspected to ensure high quality Image Guides are generated.

SCHOTT's collaborative design process for Image Guides allows for customized options such as higher resolution, or end surface coatings, depending on the needs of each customer's application. We offer the widest variety of options in the industry.

Our latest developments include engineered improvements to provide you with:

- A 4 μm higher resolution image
- A new and improved sheathing
- A superior Image quality with zero optical inclusions in the center zone
- A more robust and flexible bundle

New - High Resolution
Image Guide

Application

These Image Guides are primarily used in endoscopes for many medical and veterinary applications, as well as in various industrial applications.



Bending radius of an endoscope, utilizing a SCHOTT image bundle.

SCHOTT
glass made of ideas

Bundle Specifications

OD Outer Diameter (mm)	Length (mm)	Quality Area Diameter (mm)	Pixel Count (k)	Distal Ferrule Diameter (mm)	Proximal Ferrule Diameter (mm)
0.45 PureView	1000	0.38	4.0	0.55 x 4.40	0.64 x 11.80
0.45 UltraView	1000	0.38	7.5	0.55 x 4.40	0.64 x 11.80
0.53	1000 & 1050	0.45	5.6	0.65 x 4.50 available with or without	1.00 x 12.00
0.57	535 – 1000	0.45	4.5	0.77 x 5.00 available with or without	1.05 x 15.00
0.70	535 – 1000	0.58	8.2	0.83 x 5.00 available with or without	0.94 x 12.00
1.00	670 – 1000	0.80	13.5	1.27 x 5.10 1.16 x 5.00	2.03 x 13.50 1.60 x 10.00
1.05	760	0.90	18	1.22 x 5.60	1.22 x 12.80
1.10	485 – 895	0.90	18	1.27 x 4.00	1.45 x 13.50 2.03 x 13.50
1.2	520 - 880	1.05	18	1.38 x 4.00	1.60 x 10.00
1.3	545	1.15	18	1.42 x 5.00	1.42 x 14.00
1.65	1350	1.45	18	2.19 x 7.8	2.46 x 15.00



Let's help surgeons see more.

www.us.schott.com/seemore

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