

High-End Metal Ferrules for Optical Fibres

– Serial Products and Customized Manufacturing –



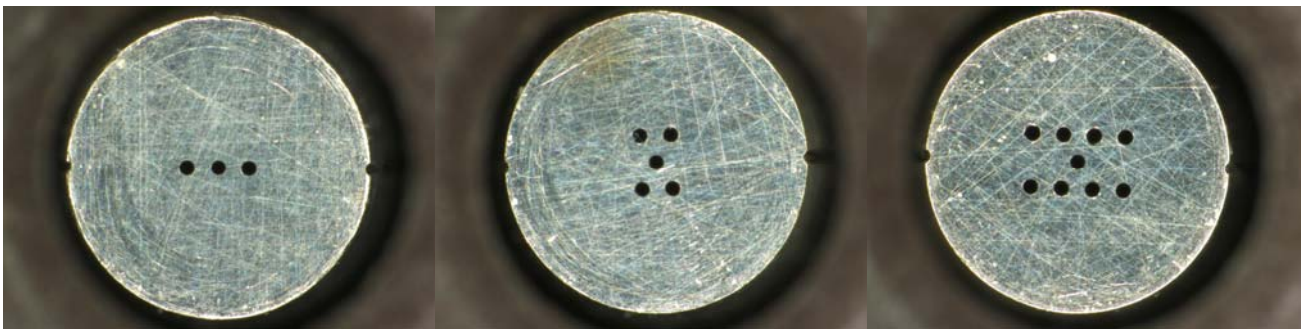
ELECTRIC
FORMING
JAPAN CO.,LTD.

Properties:

- Low insertion loss (down to 0.02 dB) thanks to precision guides
- Number and layout of light guides can be modified
- Single- and multimode versions available
- Inner diameter example: 125.5 μ m
- Tolerance of hole pitch for multimode \pm 3 μ m
- Tolerance of hole pitch for singlemode \pm 0.5 μ m
- Tolerance of hole diameter +1 μ m -0 μ m
- Tolerance of outer ferrule diameter \pm 50 μ m
- Sleeve with linear tracks (guides) for mechanical stability
- Inner surface roughness of down to Ra=0.0127 μ m for error-free fibre insertion

Application Examples:

- 8-fibre ferrule (multimode) for biomedical analytics
- Capable for high temperature and high thermal fluctuation environments
- Up to 144 fibres connected in one ferrule
- Optical analytics (photometry etc.)



Ferrules with 2, 4, 8, and 16 guides for optical fibres (126 μ m diameter)

Information und Contact:

Steinbeis Transfer Centre ASICON

Dr Olaf Messing

Friedrichsruher Str. 4

12169 Berlin, Germany

Tel. +49 / 30 - 7201-1803

E-Mail: messing@asicon-berlin.com

http://www.asicon-berlin.com/index_efj.htm

