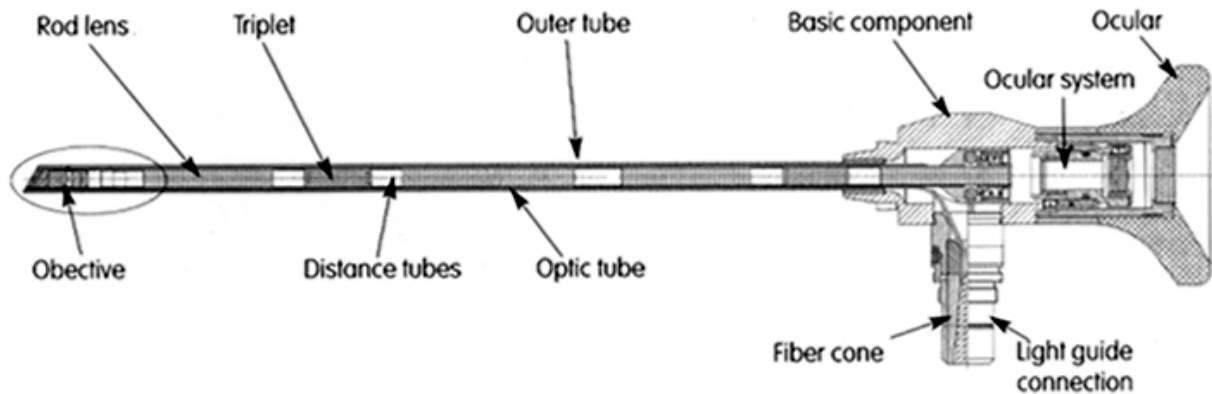


Technical features

Definition Endoscope

As you can see from this sketch, the rigid endoscope is a complete unit which consists of different materials. Stainless steel, glass, brass, glass fibres and various adhesives work together to create the endoscope. This is also a reason why we prefer steel as basic material for Schöilly endoscopes.



Endoscope-Technology

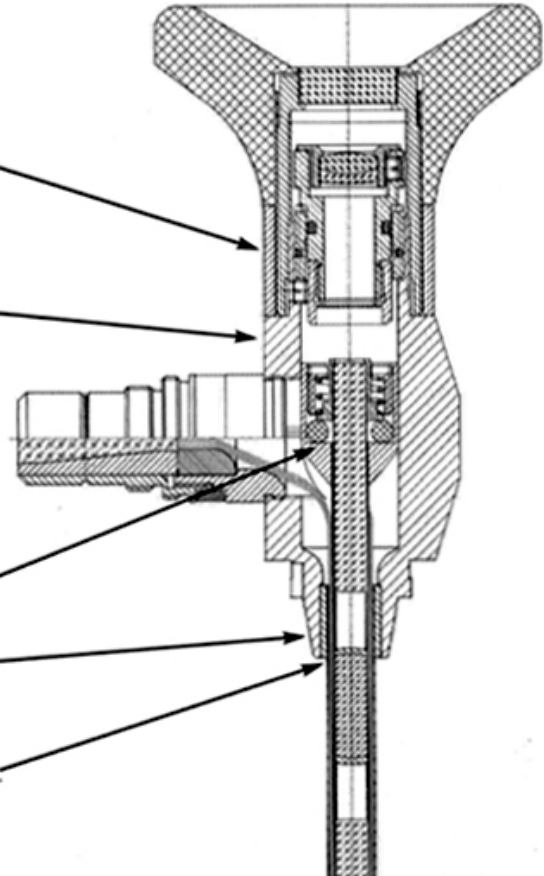
Mechanical sealing, reusable in case of repairs

Stainless steel body, no coating

Laser welded optical centering = hermetic sealing between optics/fibres optics

Stainless steel coupling, no coating

Laser welded connection between basic body and outer tube.



Sapphire window - no glass corrosion

Desiccant-filled - no fogging under hot/cold conditions

Temperature sensor (checks in case of overheating autoclaves)

Thermic spring loaded system = reduced breakage of lenses

Fiber cone = heat filter = light amplification

Rod lenses and short triplets = optical system less fragile

Air spaces filled with drying agent = less humidity, longer service life

Special glueing process, less risk for hair cracks than with normal soldering.

service-friendly Objective; Most parts can be reused.

Distal sapphire windows

