

Mini-Rigid Borescopes



Main Features

- Outer tube, body and light-guide connection is stainless steel.
- Light-guide input post incorporates light condenser funnel of clad-glass giving 30% more light output at the tip.
- Light guide post is convertible to ACM male or female, Wolf or Storz by means of screw-on adapters.
- Eyepiece is the standard 32 mm diameter pattern and made from PEEK (polyetheretherketone), a high temperature resistant durable plastic.
- On the 1.9 and 2.7 mm diameter instruments the insertion tube is a 3-tube construction. The lenses are protected by three stainless steel tubes, outer, inner and system tube. This design makes possible disassembly for repair to either the outer tube or system tube subassemblies. On the 1.7 mm diameter

instrument two stainless steel tubes are employed.

- · Very tolerant to bending
- HSW Short Rod-lens optical system with outstanding image brightness and huge depth of field from 1 mm to infinity
- Wide-angle field of view, ideal for typical applications of these diameter instruments.
- Complete instrument is resistant to fuels, oils, all common industrial solvents and water.

Miniature Industrial Endoscopes 1.7 mm, 1.9 mm and 2.7 mm Diameter

A new range of small diameter endoscopes using the latest optical technology for internal visual inspection of a wide variety of small components, products and assemblies.

Available in a range of lengths with three different directions of view to suit most applications.

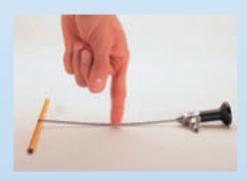


Specifications

Henke-Sass, Wolf Short Rod Lens System

This new system is designed to improve on the best optical features of the rod lens system with better tolerance to mechanical damage for both medical and industrial applications.

Each rod lens is either a 2 or 5-element assembly bonded together. HSW short rod lenses are approximately 60% of the length of similar lens systems found in rival instruments. Three lenses are used per relay length rather than two. The system transports a much higher aperture which results in outstanding image brightness. Because the individual lenses are short, the scope will tolerate bending loads which would crack a lens in other instruments of this type employing fewer but longer rod-lenses.



Good tolerance to bending



Light condensor funnel in light guide post

Directions of View



Mini-Rigid Borescopes				
Model	Diameter	Working Length	Direction of View	Field of View
*RM17-100-030-65	1.7 mm	100 mm	30°	65°
RM19-50-000-65	1.9 mm	50 mm	0°	65°
*RM19-100-000-65	1.9 mm	100 mm	0°	65°
RM19-056-000-40	1.9 mm	56 mm	0°	40°
*RM19-107-000-40	1.9 mm	107 mm	0°	40°
RM19-157-000-40	1.9 mm	157 mm	0°	40°
RM19-050-030-65	1.9 mm	60 mm	30°	65°
*RM19-100-030-65	1.9 mm	100 mm	30°	65°
Accessories for RM1.9 instruments RM19/0 protection sleeve 2.1 mm for 0° DOV. Length to suit instrument RM19/30 protection sleeve 2.1 mm for 30° DOV. Length to suit instrument				
RM19/0 mirror sleeve 2.1 mm 90° DOV, rotatable 360° (for 40° FOV only)				
RM27-075-000-80	2.7 mm	73 mm	0°	80°
*RM27-140-000-80	2.7 mm	139 mm	0°	80°
RM27-190-000-80	2.7 mm	187 mm	0°	80°
RM27-260-000-80	2.7 mm	260 mm	0°	80°
RM27-075-030-80	2.7 mm	74 mm	30°	80°
RM27-140-030-80	2.7 mm	140 mm	30°	80°
RM27-190-030-80	2.7 mm	188 mm	30°	80°
RM27-260-030-80	2.7 mm	260 mm	30°	80°
RM27-075-070-80	2.7 mm	75 mm	70°	80°
*RM27-140-070-80	2.7 mm	141 mm	70°	80°
RM27-190-070-80	2.7 mm	189 mm	70°	80°
Operating temperature:	-40° C to 121° C			
Pressure resistance:	3 bar			

^{*}prefered stock scopes



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