

Rigid and flexible endoscopes



Shock and
scratchproof



Durable



Oil- and water-
resistant



Clear
sharp
bright

SE•line

Rigid optical endoscopes

Rigid endoscopes are typically used for visual inspections of narrow cavities and bores as well as for visual inspection of smaller components or assemblies. Rigid endoscopes transmit the images to the eyepiece through a computer-calculated optical rod-lens-system.

The focus is on excellent image reproduction and resolution, which facilitates reliable and documentable diagnostics inspections.

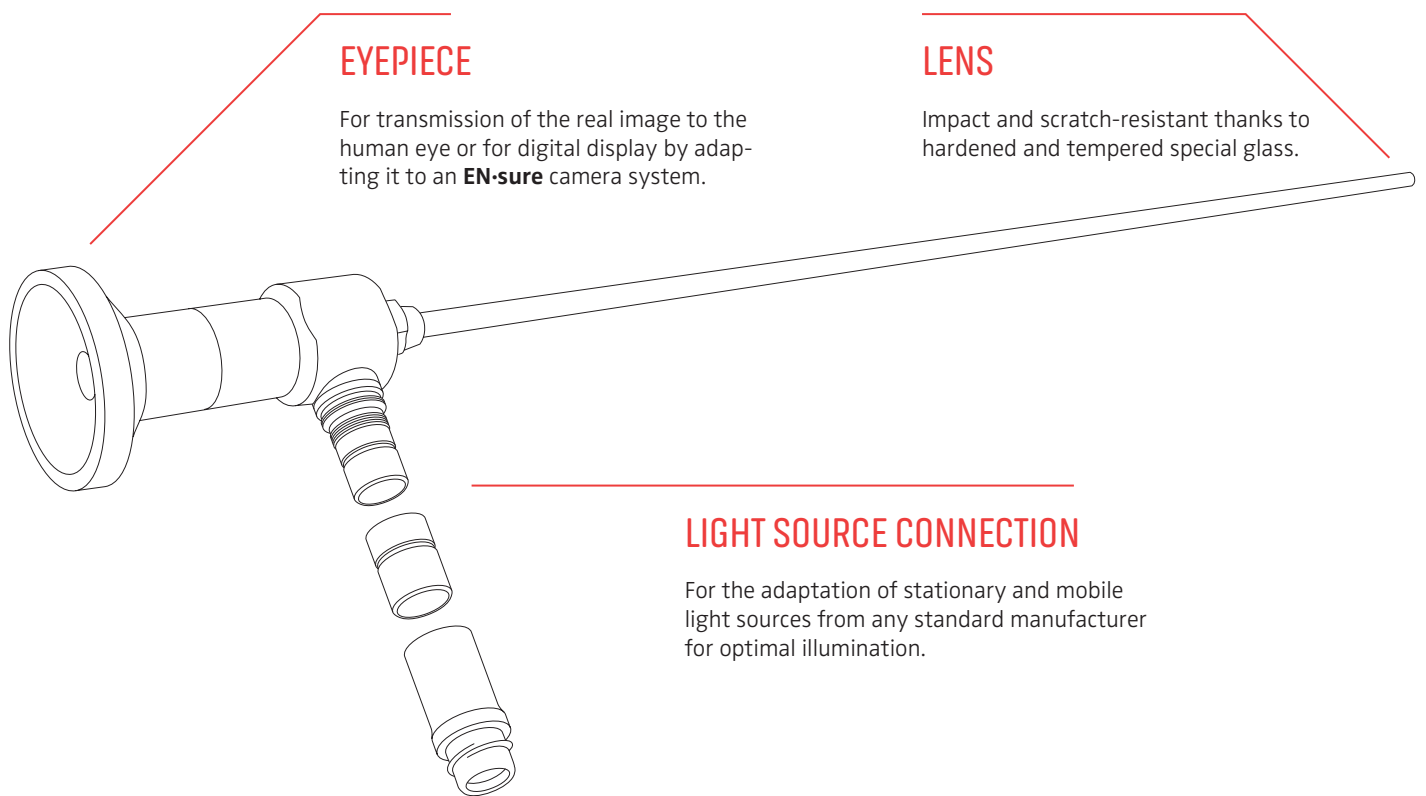


APPLICATION AREAS

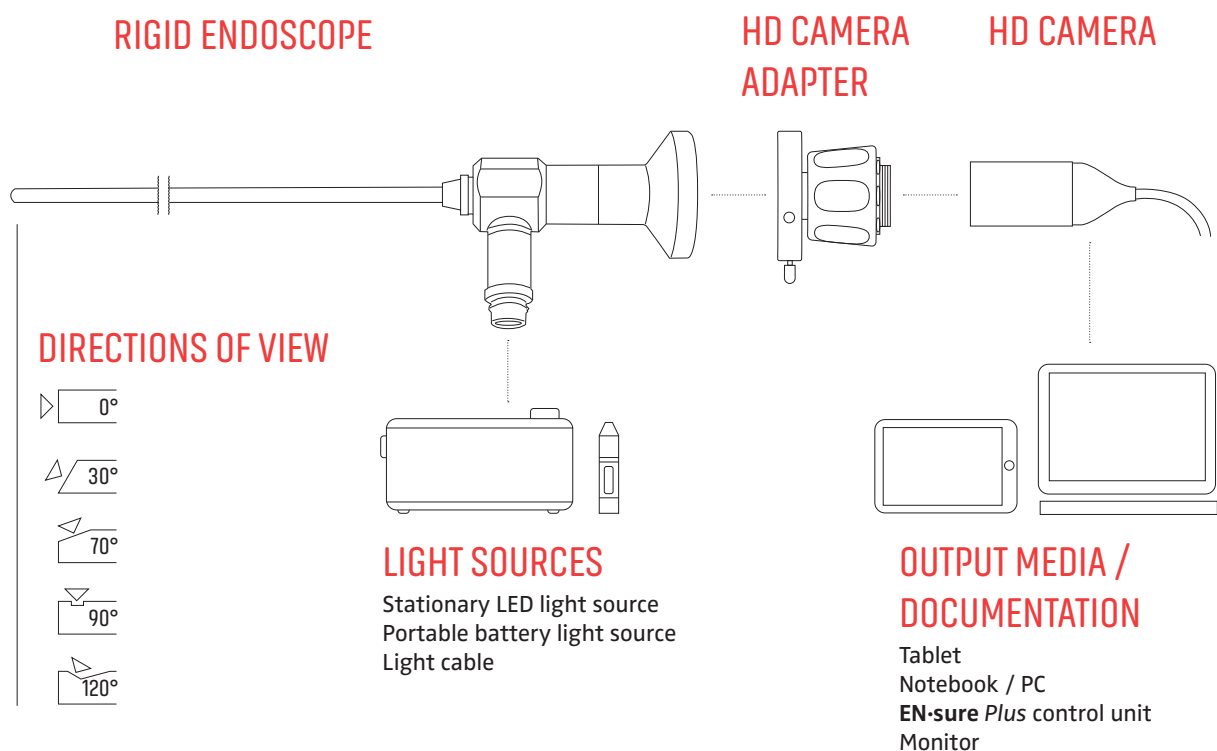
- Mobile and stationary applications in connection with the **EN•sure** camera system
- Quality assurance
- Inspection of
 - cast parts
 - turned and milled parts
 - aircraft engines
 - large and small engines
 - and many more.



- Excellent picture reproduction
- Extreme resilience
- Optimal protection of the optics



System overview



SD•line

Rigid rotating endoscopes

Our SD-line rigid rotating endoscopes are used for the visual inspection of very different cavities and bores in microscopic as well as macroscopic areas for visual inspection. The rotatable light source connection and focus function increase efficiency and enable maximum flexibility when carrying out your inspections in everyday work, based on the technology of former technical endoscopes from the manufacturer KARL STORZ.

The focus here is on first-class image reproduction thanks to high resolutions, optimum illumination and reliable documentation of your examination results.



APPLICATION AREAS

- Mobile and stationary areas of application in connection with the **EN-sure** camera
- Quality assurance
- Inspection of
 - cast parts
 - turned and milled parts
 - aircraft engines
 - large and small engines
 - and many more.



- 340° rotatable light source connection
- Focusing
- Variable viewing direction and angle
- Highest image resolution and light intensity using the latest lens technology
- Great depth of field
- Outstanding transmission
- Excellent detail recognition



EYEPIECE

For transmission of the real image to the human eye or for digital display by adapting it to an **EN-sure** camera system.

LENS

Impact and scratch-resistant thanks to hardened and tempered special glass.

ROTATABLE LIGHT SOURCE CONNECTION

Can be rotated through 340° for maximum ergonomics and flexibility in use. For adapting stationary and mobile light sources from any standard manufacturer for optimum illumination.

FOCUSING

Individual adjustment of the image sharpness to the user's requirements.

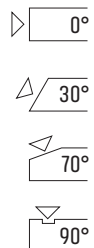
System overview

RIGID / FLEXIBLE ENDOSCOPE

HD CAMERA ADAPTER

HD CAMERA

DIRECTIONS OF VIEW



LIGHT SOURCES

Stationary LED light source
Portable battery light source
Light cable

OUTPUT MEDIA / DOCUMENTATION

Tablet
Notebook / PC
EN-sure Plus control unit
Monitor

RE•line

Rotatable endoscopes

The rotatable endoscopes of the RE-line are used for the visual inspection of cavities and narrow bores and, thanks to their robust design, are ideal for the visual inspection of smaller components or assemblies in the industrial sector. With the rotatable endoscopes, the image is transmitted to the eyepiece by a computer-calculated optical achromatic system.

The RE-line endoscopes are characterized by the 340° rotatable optical shaft, the focusing system and the removable handle, which guarantees the user optimum ergonomic working. These features are inspired by the technologies of former industrial endoscopes from the manufacturers Henke-Sass, Wolf and Everest VIT. The focus here is on first-class image reproduction with high resolutions that deliver reliable and documentable examination results.



APPLICATION AREAS

- Mobile and stationary areas of application in connection with the **EN-sure** camera
- Quality assurance
- Inspection of
 - cast parts
 - turned and milled parts
 - aircraft engines
 - large and small engines
 - and many more.



- Large variety of direction of view and field of view
- 340° rotatable objective lens probe and Focusing
- High image resolution and brightness using the latest lens technology
- Large focus depth
- Excellent transmission
- Excellent recognizability of details



EYEPIECE

For transferring the real image to the human eye or for digital display by adapting to an **EN.sure** camera system.

LENS

Shock and scratch resistant thanks to hardened and coated special glass.

ROTATABLE SHAFT

Shaft rotation of up to 340° possible.

FOCUSING

Individual adjustment of the image sharpness to the user's requirements.

LIGHT SOURCE CONNECTION

For adapting stationary and mobile light sources from any standard manufacturer for optimum illumination.

HANDLE

Detachable ergonomic handle for fatigue-free use.

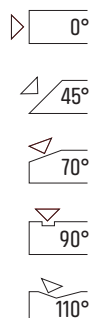
System overview

ROTATABLE ENDOSCOPE

HD CAMERA ADAPTER

HD CAMERA

DIRECTIONS OF VIEW



LIGHT SOURCES

Stationary LED light source
Portable battery light source
Light cable

OUTPUT MEDIA / DOCUMENTATION

Tablet
Notebook / PC
EN.sure Plus control unit
Monitor

FE·line

Flexible endoscopes

Flexible fiber optic endoscopes are easy to handle and highly flexible thereby allowing the inspection of tiny cavities and crooked spaces that would be otherwise inaccessible to human vision. The flexibility of this type of endoscope is the result of the unique fiber optic image guide system.



APPLICATION AREAS

- Mobile and stationary areas of application in connection with the **EN-sure** camera
- Quality assurance
- Inspection of
 - cast parts
 - turned and milled parts
 - aircraft engines
 - large and small engines
 - and many more.



- Excellent picture reproduction
- Extreme resilience
- Optimal protection of the optics
- Maximum flexibility
- Ergonomic design
- Focusing
- Excellent durability thanks to tungsten sheathing
- Ideal test results



FOCUSING EYEPIECE

For transmission of the real image to the human eye or for digital display by adapting it to an **EN.sure** camera system.

DEFLECTION MECHANISM

Deflection of the probe tip in two directions via mechanical cables.

LIGHT SOURCE CONNECTOR

For the adaptation of stationary and mobile light sources from any standard manufacturer for optimal illumination.

FLEXIBLE PROBE SHAFT

Robust fine-meshed metal casing with special glass closure on the lens for high durability.

System overview

FLEXIBLE ENDOSCOPE

HD CAMERA ADAPTER

HD CAMERA

DIRECTIONS OF VIEW



LIGHT SOURCES

Stationary LED light source
Portable battery light source
Light cable

OUTPUT MEDIA / DOCUMENTATION

Tablet
Notebook / PC
EN-sure Plus control unit
Monitor



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SE16100A65	1.6 mm	100.00 mm	0°	65°
SE16100A90	1.6 mm	100.00 mm	0°	90°
SE16100B65	1.6 mm	100.00 mm	30°	65°
SE16100B90	1.6 mm	100.00 mm	30°	90°
SE16175A65	1.6 mm	175.00 mm	0°	65°
SE16175A90	1.6 mm	175.00 mm	0°	90°
SE16175B65	1.6 mm	175.00 mm	30°	65°
SE16175B90	1.6 mm	175.00 mm	30°	90°
SE19100A65	1.9 mm	100.00 mm	0°	65°
SE19100A90	1.9 mm	100.00 mm	0°	90°
SE19100B65	1.9 mm	100.00 mm	30°	65°
SE19100B90	1.9 mm	100.00 mm	30°	90°
SE19175A65	1.9 mm	175.00 mm	0°	65°
SE19175A90	1.9 mm	175.00 mm	0°	90°
SE19175B65	1.9 mm	175.00 mm	30°	65°
SE19175B90	1.9 mm	175.00 mm	30°	90°

Protection sheath available for each version. The diameter will expand to 2.2 mm / 2.8 mm.



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SE24110A80	2.4 mm	110.00 mm	0°	80°
SE24110B80	2.4 mm	110.00 mm	30°	80°
SE24110C80	2.4 mm	110.00 mm	70°	80°
SE27070A80	2.75 mm	70.00 mm	0°	80°
SE27070B80	2.75 mm	70.00 mm	30°	80°
SE27070C80	2.75 mm	70.00 mm	70°	80°
SE27080C80	2.75 mm	80.00 mm	70°	80°
SE27110A80	2.75 mm	110.00 mm	0°	80°
SE27110B80	2.75 mm	110.00 mm	30°	80°
SE27110C80	2.75 mm	110.00 mm	70°	80°
SE27110D60	2.75 mm	110.00 mm	90°	60°
SE27140A80	2.75 mm	140.00 mm	0°	80°
SE27140B80	2.75 mm	140.00 mm	30°	80°
SE27140C80	2.75 mm	140.00 mm	70°	80°
SE27175A80	2.75 mm	175.00 mm	0°	80°
SE27175B80	2.75 mm	175.00 mm	30°	80°
SE27175C80	2.75 mm	175.00 mm	70°	80°
SE27175D80	2.75 mm	175.00 mm	90°	60°
SE27210A80	2.75 mm	210.00 mm	0°	80°
SE27210B80	2.75 mm	210.00 mm	30°	80°
SE27210C80	2.75 mm	210.00 mm	70°	80°
SE27240A80	2.75 mm	240.00 mm	0°	80°
SE27240B80	2.75 mm	240.00 mm	30°	80°
SE27240C80	2.75 mm	240.00 mm	70°	80°
SE27250D80	2.75 mm	250.00 mm	90°	80°
SE27300A80	2.75 mm	300.00 mm	0°	80°
SE27300B80	2.75 mm	300.00 mm	30°	80°
SE27300C80	2.75 mm	300.00 mm	70°	80°

Protection sheath available for each version. The diameter will expand to 3.0 mm / 3.5 mm.

Diameter 4.0 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SE40050A80	4.0 mm	50.00 mm	0°	80°
SE40050A105	4.0 mm	50.00 mm	0°	105°
SE40050B80	4.0 mm	50.00 mm	30°	80°
SE40050B105	4.0 mm	50.00 mm	30°	105°
SE40050C80	4.0 mm	50.00 mm	70°	80°
SE40050C105	4.0 mm	50.00 mm	70°	105°
SE40050D80	4.0 mm	50.00 mm	90°	80°
SE40110A80	4.0 mm	110.00 mm	0°	80°
SE40110A105	4.0 mm	110.00 mm	0°	105°
SE40110B80	4.0 mm	110.00 mm	30°	80°
SE40110B105	4.0 mm	110.00 mm	30°	105°
SE40110C80	4.0 mm	110.00 mm	70°	80°
SE40110C105	4.0 mm	110.00 mm	70°	105°
SE40110D80	4.0 mm	110.00 mm	90°	80°
SE40175A80	4.0 mm	175.00 mm	0°	80°
SE40175A105	4.0 mm	175.00 mm	0°	105°
SE40175B80	4.0 mm	175.00 mm	30°	80°
SE40175B105	4.0 mm	175.00 mm	30°	105°
SE40175C80	4.0 mm	175.00 mm	70°	80°
SE40175C105	4.0 mm	175.00 mm	70°	105°
SE40175D80	4.0 mm	175.00 mm	90°	80°
SE40300A80	4.0 mm	300.00 mm	0°	80°
SE40300A105	4.0 mm	300.00 mm	0°	105°
SE40300B80	4.0 mm	300.00 mm	30°	80°
SE40300B105	4.0 mm	300.00 mm	30°	105°
SE40300C80	4.0 mm	300.00 mm	70°	80°
SE40300C105	4.0 mm	300.00 mm	70°	105°
SE40300D80	4.0 mm	300.00 mm	90°	80°
SE40650D80	4.0 mm	650.00 mm	90°	80°
SE40690A80	4.0 mm	690.00 mm	0°	80°
SE40690A105	4.0 mm	690.00 mm	0°	105°
SE40690B80	4.0 mm	690.00 mm	30°	80°
SE40690B105	4.0 mm	690.00 mm	30°	105°
SE40690C80	4.0 mm	690.00 mm	70°	80°
SE40690C105	4.0 mm	690.00 mm	70°	105°

Protection sheath available for each version. The diameter will expand to 4.8 mm.

Diameter 5.5 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SE55300A80	5.5 mm	300.00 mm	0°	80°
SE55300A105	5.5 mm	300.00 mm	0°	105°
SE55300B80	5.5 mm	300.00 mm	30°	80°
SE55300B105	5.5 mm	300.00 mm	30°	105°
SE55300C80	5.5 mm	300.00 mm	70°	80°
SE55300C105	5.5 mm	300.00 mm	70°	105°
SE55430A80	5.5 mm	430.00 mm	0°	80°
SE55430A105	5.5 mm	430.00 mm	0°	105°
SE55430B80	5.5 mm	430.00 mm	30°	80°
SE55430B105	5.5 mm	430.00 mm	30°	105°
SE55430C80	5.5 mm	430.00 mm	70°	80°
SE55430C105	5.5 mm	430.00 mm	70°	105°
SE55690A80	5.5 mm	690.00 mm	0°	80°
SE55690A105	5.5 mm	690.00 mm	0°	105°
SE55690B80	5.5 mm	690.00 mm	30°	80°
SE55690B105	5.5 mm	690.00 mm	30°	105°
SE55690C80	5.5 mm	690.00 mm	70°	80°
SE55690C105	5.5 mm	690.00 mm	70°	105°

Protection sheath available for each version. The diameter will expand to 6.5 mm.

Diameter 6.0 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SE60190D70	6.0 mm	190.00 mm	90°	70°
SE60190E70	6.0 mm	190.00 mm	120°	70°
SE60300A80-HD	6.0 mm	300.00 mm	0°	80°
SE60300B80-HD	6.0 mm	300.00 mm	30°	80°
SE60300C80-HD	6.0 mm	300.00 mm	70°	80°
SE60330D70	6.0 mm	330.00 mm	90°	70°
SE60330E70	6.0 mm	330.00 mm	120°	70°

Protection sheath available for each version. The diameter will expand to 7.0 mm.

Diameter 10.0 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SE100314A80	10.0 mm	314.00 mm	0°	80°
SE100314B80	10.0 mm	314.00 mm	30°	80°

Protection sheath available for each version. The diameter will expand to 11.0 mm.

Further versions available upon request



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SD29150A80	2.9 mm	150.00 mm	0°	80°
SD29150B80	2.9 mm	150.00 mm	30°	80°
SD29150C80	2.9 mm	150.00 mm	70°	80°
SD29150D80	2.9 mm	150.00 mm	90°	80°
SD29220A80	2.9 mm	220.00 mm	0°	80°
SD29220B80	2.9 mm	220.00 mm	30°	80°
SD29220C80	2.9 mm	220.00 mm	70°	80°
SD29220D80	2.9 mm	220.00 mm	90°	80°
SD29280A80	2.9 mm	280.00 mm	0°	80°
SD29280B80	2.9 mm	280.00 mm	30°	80°
SD29280C80	2.9 mm	280.00 mm	70°	80°
SD29280D80	2.9 mm	280.00 mm	90°	80°

Protection sheath available for each version. The diameter will expand to 3.6 mm.



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
SD40065A100	3.8 mm	65.00 mm	0°	100°
SD40065B100	3.8 mm	65.00 mm	30°	100°
SD40065C100	3.8 mm	65.00 mm	70°	100°
SD40065D100	3.8 mm	65.00 mm	90°	100°
SD40150A100	3.8 mm	150.00 mm	0°	100°
SD40150B100	3.8 mm	150.00 mm	30°	100°
SD40150C100	3.8 mm	150.00 mm	70°	100°
SD40150D100	3.8 mm	150.00 mm	90°	100°
SD40220A100	3.8 mm	220.00 mm	0°	100°
SD40220B100	3.8 mm	220.00 mm	30°	100°
SD40220C100	3.8 mm	220.00 mm	70°	100°
SD40220D100	3.8 mm	220.00 mm	90°	100°
SD40280A100	3.8 mm	280.00 mm	0°	100°
SD40280B100	3.8 mm	280.00 mm	30°	100°
SD40280C100	3.8 mm	280.00 mm	70°	100°
SD40280D100	3.8 mm	280.00 mm	90°	100°
SD40340A100	3.8 mm	340.00 mm	0°	100°
SD40340B100	3.8 mm	340.00 mm	30°	100°
SD40340C100	3.8 mm	340.00 mm	70°	100°
SD40340D100	3.8 mm	340.00 mm	90°	100°
SD40470A100	3.8 mm	470.00 mm	0°	100°
SD40470B100	3.8 mm	470.00 mm	30°	100°
SD40470C100	3.8 mm	470.00 mm	70°	100°
SD40470D100	3.8 mm	470.00 mm	90°	100°
SD40630A100	3.8 mm	630.00 mm	0°	100°
SD40630B100	3.8 mm	630.00 mm	30°	100°
SD40630C100	3.8 mm	630.00 mm	70°	100°
SD40630D100	3.8 mm	630.00 mm	90°	100°

Protection sheath available for each version. The diameter will expand to 5.0 mm.



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
RE40210A56	4.0 mm	210.00 mm	0°	56°
RE40360A56	4.0 mm	360.00 mm	0°	56°
RE40475A56	4.0 mm	475.00 mm	0°	56°
RE40594A56	4.0 mm	594.00 mm	0°	56°
RE40215B56	4.0 mm	215.00 mm	45°	56°
RE40360B56	4.0 mm	360.00 mm	45°	56°
RE40480B56	4.0 mm	480.00 mm	45°	56°
RE40720B56	4.0 mm	720.00 mm	45°	56°
RE40185C56	4.0 mm	185.00 mm	70°	56°
RE40217C90	4.0 mm	217.00 mm	70°	90°
RE40365C90	4.0 mm	365.00 mm	70°	90°
RE40484C90	4.0 mm	484.00 mm	70°	90°
RE40604C90	4.0 mm	604.00 mm	70°	90°
RE40185D56	4.0 mm	185.00 mm	90°	56°
RE40300D56	4.0 mm	300.00 mm	90°	56°
RE40370D56	4.0 mm	370.00 mm	90°	56°
RE40584D56	4.0 mm	584.00 mm	90°	56°

Protection sheath available for each version. The diameter will expand to 5.0 mm.



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
RE60235A56	6.0 mm	235.00 mm	0°	56°
RE60435A56	6.0 mm	435.00 mm	0°	56°
RE60635A56	6.0 mm	635.00 mm	0°	56°
RE60835A56	6.0 mm	835.00 mm	0°	56°
RE60235A90	6.0 mm	235.00 mm	0°	90°
RE60435A90	6.0 mm	435.00 mm	0°	90°
RE60635A90	6.0 mm	635.00 mm	0°	90°
RE60835A90	6.0 mm	835.00 mm	0°	90°
RE60235B56	6.0 mm	235.00 mm	45°	56°
RE60435B56	6.0 mm	435.00 mm	45°	56°
RE60635B56	6.0 mm	635.00 mm	45°	56°
RE60835B56	6.0 mm	835.00 mm	45°	56°
RE601035B56	6.0 mm	1035.00 mm	45°	56°
RE60142C70	6.0 mm	142.00 mm	70°	70°
RE60275C70	6.0 mm	275.00 mm	70°	70°
RE60340C70	6.0 mm	340.00 mm	70°	70°
RE60445C70	6.0 mm	445.00 mm	70°	70°
RE60540C70	6.0 mm	540.00 mm	70°	70°
RE60615C70	6.0 mm	615.00 mm	70°	70°
RE60940C70	6.0 mm	940.00 mm	70°	70°
RE60140D56	6.0 mm	140.00 mm	90°	56°
RE60340D56	6.0 mm	340.00 mm	90°	56°
RE60540D56	6.0 mm	540.00 mm	90°	56°
RE60740D56	6.0 mm	740.00 mm	90°	56°
RE60940D56	6.0 mm	940.00 mm	90°	56°
RE60140D90	6.0 mm	140.00 mm	90°	90°
RE60340D90	6.0 mm	340.00 mm	90°	90°
RE60540D90	6.0 mm	540.00 mm	90°	90°
RE60740D90	6.0 mm	740.00 mm	90°	90°
RE60940D90	6.0 mm	940.00 mm	90°	90°
RE60270E56	6.0 mm	270.00 mm	110°	56°
RE60335E56	6.0 mm	335.00 mm	110°	56°
RE60440E56	6.0 mm	440.00 mm	110°	56°
RE60535E56	6.0 mm	535.00 mm	110°	56°

Protection sheath available for each version. The diameter will expand to 7.0 mm.

Diameter 8.0 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
RE80235A56	8.0 mm	235.00 mm	0°	56°
RE80435A56	8.0 mm	435.00 mm	0°	56°
RE80635A56	8.0 mm	635.00 mm	0°	56°
RE80835A56	8.0 mm	835.00 mm	0°	56°
RE801033A56	8.0 mm	1033.00 mm	0°	56°
RE801235A56	8.0 mm	1235.00 mm	0°	56°
RE801435A56	8.0 mm	1435.00 mm	0°	56°
RE80235A90	8.0 mm	235.00 mm	0°	90°
RE80435A90	8.0 mm	435.00 mm	0°	90°
RE80635A90	8.0 mm	635.00 mm	0°	90°
RE80835A90	8.0 mm	835.00 mm	0°	90°
RE801033A90	8.0 mm	1033.00 mm	0°	90°
RE801235A90	8.0 mm	1235.00 mm	0°	90°
RE801435A90	8.0 mm	1435.00 mm	0°	90°
RE80240B56	8.0 mm	240.00 mm	45°	56°
RE80440B56	8.0 mm	440.00 mm	45°	56°
RE80640B56	8.0 mm	640.00 mm	45°	56°
RE80840B56	8.0 mm	840.00 mm	45°	56°
RE801040B56	8.0 mm	1040.00 mm	45°	56°
RE801440B56	8.0 mm	1440.00 mm	45°	56°
RE80142C70	8.0 mm	142.00 mm	70°	70°
RE80275C70	8.0 mm	275.00 mm	70°	70°
RE80340C70	8.0 mm	340.00 mm	70°	70°
RE80445C70	8.0 mm	445.00 mm	70°	70°
RE80540C70	8.0 mm	540.00 mm	70°	70°
RE80615C70	8.0 mm	615.00 mm	70°	70°
RE80940C70	8.0 mm	940.00 mm	70°	70°
RE80140D56	8.0 mm	140.00 mm	90°	56°
RE80275D56	8.0 mm	275.00 mm	90°	56°
RE80340D56	8.0 mm	340.00 mm	90°	56°
RE80445D56	8.0 mm	445.00 mm	90°	56°
RE80540D56	8.0 mm	540.00 mm	90°	56°
RE80740D56	8.0 mm	740.00 mm	90°	56°
RE80940D56	8.0 mm	940.00 mm	90°	56°
RE801140D56	8.0 mm	1140.00 mm	90°	56°
RE801340D56	8.0 mm	1340.00 mm	90°	56°
RE801540D56	8.0 mm	1540.00 mm	90°	56°
RE80140D90	8.0 mm	140.00 mm	90°	90°
RE80275D90	8.0 mm	275.00 mm	90°	90°
RE80340D90	8.0 mm	340.00 mm	90°	90°
RE80445D90	8.0 mm	445.00 mm	90°	90°
RE80540D90	8.0 mm	540.00 mm	90°	90°
RE80740D90	8.0 mm	740.00 mm	90°	90°
RE80940D90	8.0 mm	940.00 mm	90°	90°
RE801140D90	8.0 mm	1140.00 mm	90°	90°
RE801340D90	8.0 mm	1340.00 mm	90°	90°
RE801540D90	8.0 mm	1540.00 mm	90°	90°
RE80275E56	8.0 mm	275.00 mm	110°	56°
RE80340E56	8.0 mm	340.00 mm	110°	56°
RE80440E56	8.0 mm	440.00 mm	110°	56°
RE80619E56	8.0 mm	619.00 mm	110°	56°

Protection sheath available for each version. The diameter will expand to 9.0 mm.

Diameter 10.0 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
RE100245A56	10.0 mm	245.00 mm	0°	56°
RE100445A56	10.0 mm	445.00 mm	0°	56°
RE100645A56	10.0 mm	645.00 mm	0°	56°
RE100845A56	10.0 mm	845.00 mm	0°	56°
RE1001070A56	10.0 mm	1070.00 mm	0°	56°
RE1001245A56	10.0 mm	1245.00 mm	0°	56°
RE1001570A56	10.0 mm	1570.00 mm	0°	56°
RE100245A90	10.0 mm	245.00 mm	0°	90°
RE100445A90	10.0 mm	445.00 mm	0°	90°
RE100645A90	10.0 mm	645.00 mm	0°	90°
RE100845A90	10.0 mm	845.00 mm	0°	90°
RE1001070A90	10.0 mm	1075.00 mm	0°	90°
RE1001245A90	10.0 mm	1245.00 mm	0°	90°
RE1001575A90	10.0 mm	1575.00 mm	0°	90°
RE100250B56	10.0 mm	250.00 mm	45°	56°
RE100450B56	10.0 mm	450.00 mm	45°	56°
RE100650B56	10.0 mm	650.00 mm	45°	56°
RE100850B56	10.0 mm	850.00 mm	45°	56°
RE1001075B56	10.0 mm	1075.00 mm	45°	56°
RE1001250B56	10.0 mm	1250.00 mm	45°	56°
RE1001575B56	10.0 mm	1575.00 mm	45°	56°
RE1001650B56	10.0 mm	1650.00 mm	45°	56°
RE100200C56	10.0 mm	200.00 mm	70°	56°
RE100350C56	10.0 mm	350.00 mm	70°	56°
RE100550C56	10.0 mm	550.00 mm	70°	56°
RE100202C90	10.0 mm	202.00 mm	70°	90°
RE100606C90	10.0 mm	606.00 mm	70°	90°
RE100205D56	10.0 mm	205.00 mm	90°	56°
RE100355D56	10.0 mm	355.00 mm	90°	56°
RE100455D56	10.0 mm	455.00 mm	90°	56°
RE100555D56	10.0 mm	555.00 mm	90°	56°
RE100605D56	10.0 mm	605.00 mm	90°	56°
RE100700D56	10.0 mm	700.00 mm	90°	56°
RE100805D56	10.0 mm	805.00 mm	90°	56°
RE100955D56	10.0 mm	955.00 mm	90°	56°
RE1001205D56	10.0 mm	1205.00 mm	90°	56°
RE1001455D56	10.0 mm	1455.00 mm	90°	56°
RE1001702D56	10.0 mm	1702.00 mm	90°	56°
RE1002220D56	10.0 mm	2220.00 mm	90°	56°
RE100205D90	10.0 mm	205.00 mm	90°	90°
RE100355D90	10.0 mm	355.00 mm	90°	90°
RE100455D90	10.0 mm	455.00 mm	90°	90°
RE100555D90	10.0 mm	555.00 mm	90°	90°
RE100605D90	10.0 mm	605.00 mm	90°	90°
RE100700D90	10.0 mm	700.00 mm	90°	90°
RE100805D90	10.0 mm	805.00 mm	90°	90°
RE100955D90	10.0 mm	955.00 mm	90°	90°
RE1001205D90	10.0 mm	1205.00 mm	90°	90°
RE1001455D90	10.0 mm	1455.00 mm	90°	90°
RE1001702D90	10.0 mm	1702.00 mm	90°	90°
RE1002220D90	10.0 mm	2220.00 mm	90°	90°
RE100355E56	10.0 mm	355.00 mm	110°	56°
RE100555E56	10.0 mm	555.00 mm	110°	56°

Protection sheath available for each version. The diameter will expand to 11.0 mm.

Further versions available upon request

Mini-flexible fiber optic endoscopes Diameter 0.5 und 0.9 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
MF05200A70	0.5	200.00	0°	70°
MF05400A70	0.5	400.00	0°	70°
MF05800A70	0.5	800.00	0°	70°
MF09200A70	0.9	200.00	0°	70°
MF09400A70	0.9	400.00	0°	70°
MF09800A70	0.9	800.00	0°	70°

Flexible fiber optic endoscopes Diameter 2.4 und 3.8 mm



Item number	Diameter	Length	Direction of view DOV	Field of view FOV
FE24800A75	2.4	800.00	0°	75°
FE38800A75	3.8	800.00	0°	75°

Further versions available upon request

ACCESSORIES

Cameras and documentation systems

	EN•sure HD camera with USB 3.0 / USB-C connection incl. white light LED light source	
	EN•sure plus HD camera with camera head and 3.5" monitor incl. white light LED light source	
	EN•sure wifi HD camera system with WIFI for videostream to mobile devices with Microsoft, iOS and Android.	
	EN•sure 4K with 17,3" 4K HD monitor, incl. white light LED light source	
	EN•sure plus stationary LED light source with docking function, usable in connection with EN•sure Plus	
	EN•sure mobil Mobile camera, attachable	
	HD Kamera Adapter to be connected on all C-mount threads, focal length 14 mm / 18 mm / 22 mm / 25 mm / 28 mm / 35 mm / Zoom (18 - 35 mm)	

Light sources

	LQ-LED-200 Stationary LED light source Light intensity 900.000 Lux Color temperature 5.500 K incl. separate power supply and robust case	
	LQ-HH-10W portable battery LED light source Performance 3-10 W (3 steps) Color temperature 5.700 K Light intensity 200.000 Lux	
	LQ-HH-DS portable inductive battery LED light source Performance 3-10 W (4 steps) Color temperature 6.000 K Light intensity 120.000 Lux	

Light cables



Glass fiber light cable, length 180 cm
Outer diameter 10 mm, active diameter 3.5 mm

Glass fiber light cable, length 250 cm
Outer diameter 10 mm, active diameter 3.5 mm



Glass fiber light cable, length 180 cm
Light connector angled 90° at endoscope end
Outer diameter 10 mm, active diameter 3.5 mm

Glass fiber light cable, length 250 cm
Light connector angled 90° at endoscope end
Outer diameter 10 mm, active diameter 3.5 mm

Monitors



beetronics
Professional Display Solutions

13" Industrial HD monitor, metal body



beetronics
Professional Display Solutions

15" Industrial HD monitor, metal body

17" Industrial HD monitor, metal body

19" Industrial HD monitor, metal body

Transportation and storage cases



We have the right transport and storage cases
for all endoscopes and accessories.





MANUFACTURE

We know the special requirements of many industries and manufacture customized endoscope solutions for precise and significant inspections.

SALES

With us you will find the right endoscope for every application. We offer you an extra large endoscope range with qualified expert consultation.

SERVICE

We repair endoscopes of all well-known manufacturers and provide you with a loan replacement during the repair time. Additionally, our specialists also perform endoscopic examinations upon request.

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