

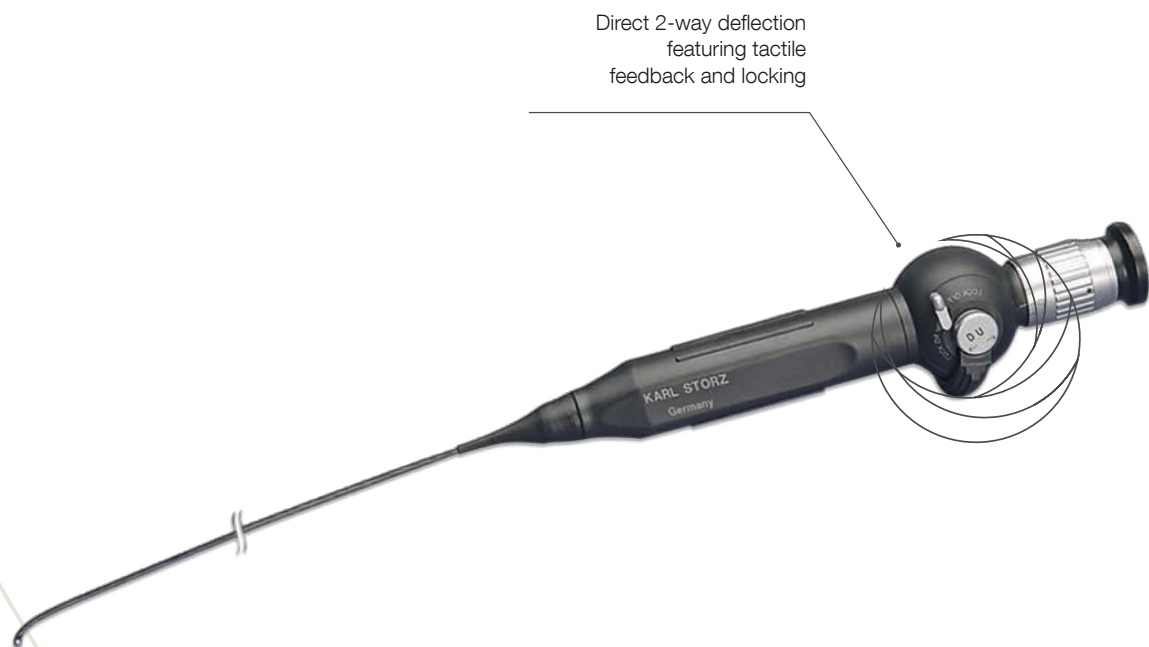
# FLEXIBLE ENDOSCOPES

Extremely flexible endoscopes



# FIBERSCOPES

2.5 mm – 4.2 mm in diameter



As their name suggests, Flexible Endoscopes are extremely flexible. They are easy to use and enable access to complex and irregularly shaped spaces, channels, or pipes. When combined with a powerful external light source, our high quality optical system offers you an outstanding, sharp image that allows you to reliably assess the object to be inspected.

## Special features:

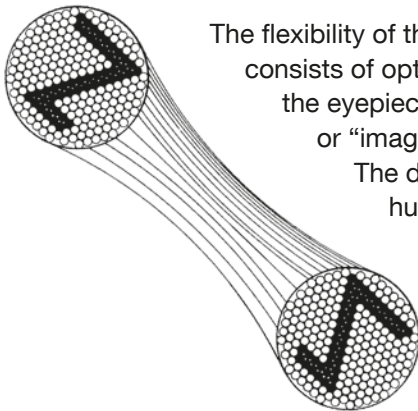
- Sapphire front lens for optimal protection
- Outer sheath made of robust, smooth, multi-layered, and waterproof plastic or tungsten braiding
- Sturdy kink protection
- Reliability and robust design
- Compatible with the entire product range
- High-resolution image guidance bundle

## Fiberscopes

### 2.5 – 4.2 mm in diameter

Model	Diameter	Length	Angle of view	Up/down deflection	Length of rigid end	Minimum bend radius of lens	Minimum bend radius of tube
K02508 AH1	2.5 mm	890 mm	80°	180°/90°	4 mm	6 mm	15 mm
M02808 AH1	2.8 mm	890 mm					
M02812 AH1		1200 mm					
K03506 AJ1	3.5 mm	570 mm	100°	11 mm	8 mm		
K03508 AJ1		760 mm					
M04008 AJ1	4.2 mm	760 mm					
M04012 AJ1		1200 mm					

Order number K = plastic | Order number M = metal shell (tungsten)



The flexibility of the fiberscope is based on its unique image guidance system that consists of optical fibers. The optical fibers transmit the image from the lens to the eyepiece. Depending on the type of fiberscope, the bundle of optical fibers or “image guidance bundle” can consist of up to 100,000 individual fibers. The diameter of an individual fiber is many times smaller than that of a human hair. High quality, ordered optical fiber bundles are still made by hand.

# AUTOSCOPES



This inexpensive endoscope is specifically tailored to applications in the automobile and casting industry and reliably supplies you with informative images.

## Special features:

- Developed specifically for use in the automobile and casting industries
- Inexpensive and reliable
- Outer sheath made of robust, smooth, multi-layered, and waterproof plastic or tungsten braiding
- Easy handling
- Excellent, sharp images



Our autoscopes feature easy handling to improve work efficiency as well as a robust design suitable for industrial applications.

## Fiberscopes

### 2.0 mm in diameter

Model	Diameter	Length	Angle of view	Up/down deflection	Length of rigid end	Minimum bend radius of lens	Minimum bend radius of tube
K02008 AF1	2 mm	800 mm	70°	100°/100°	4 mm	6 mm	15 mm

## Autoscopes

### 2.5 – 4.2 mm in diameter

Model	Diameter	Length	Angle of view	Up/down deflection	Length of rigid end	Minimum bend radius of lens	Minimum bend radius of tube
MA02508 AI1	2.5 mm	800 mm	90°	90°/90°	4 mm	8 mm	15 mm
KA03508 AJ1	3.5 mm		100°	180°/90°	11 mm		
MA04008 AJ1	4.2 mm		100°	180°/90°	11 mm		

# MINIATURE FIBERSCOPES

0.35 mm – 2.0 mm in diameter



Achieving the highest precision in very compact spaces requires high quality, high-performance tools and devices. These KARL STORZ NDTec endoscopes feature a very small diameter of between 0.35 mm and 1.3 mm. Such endoscopes allow you to view a cavity through extremely small openings.

## Special features:

- Extreme flexibility paired with extremely small diameters
- High-quality images
- Sturdy kink protection
- Access through particularly small openings, with diameters of only 0.35 mm – 1.3 mm
- Robust outer sheath made of plastic or tungsten




## Miniature Fiberscopes

### 0.35 – 2.0 mm in diameter

Model	Diameter	Length	Angle of view	Minimum bend radius of tube
K00310 AF1	0.35 mm	1000 mm	70°	40 mm
K00502 AF1	0.5 mm	200 mm		30 mm
K00504 AF1		400 mm		
K00508 AF1		800 mm		
K00510 AF1		1000 mm		
K00902 AF1		0.9 mm		
K00904 AF1	400 mm			
K00908 AF1	800 mm			
M01304 AF1	1.3 mm	400 mm		
M01310 AF1		1000 mm		
M02010 AF1	2,0 mm	1000 mm		

All Miniature Fiberscopes have a direction of view of 0°.

## ACCESSORIES

Accessories	Order no.	Product name
	80603	<b>Multipurpose Stand</b> , for stable mounting of endoscopes and cameras, consisting of an articulated stand with a joint in the center and ball joints at both ends, equipped with a mounting plate for holding a camera or endoscope holder. Total length of approx. 50 cm. The stand can be moved in any direction and can be locked in any position required using a central fixation screw.
	80130 F	<b>System Case</b> , for transporting a flexible endoscope, dimensions: 680 × 415 × 122 mm (w × h × d)
<b>Endoscope holder</b>		
	80600 H	<b>Tension Rod with Vee Guide</b> , for fixation to a tabletop, pipe, etc., or alternatively a videoscope or flexoscope in combination with Multipurpose Stands 80600 and 80603.

At KARL STORZ NDTec GmbH, we are constantly advancing all of our products. For that reason, please understand that changes may be made to the scope of supply, design, equipment, and technology. Therefore, the information, illustrations, and descriptions contained herein cannot be made the basis for any claims whatsoever.

\* For an up-to-date overview of the individual product groups, please refer to the product brochures of KARL STORZ NDTec GmbH.



## DRIVING NDT SOLUTIONS

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