

Technical Specifications

Article Number	Probe diameter	Working length	Direction of view	Field of view	Scope rotation
6,0 mm Multiscope					
300-16175-0061	6.0 mm	175 mm	-7° to +133°	45°	yes, 370°
300-16245-0061	6.0 mm	245 mm	-7° to +133°	45°	yes, 370°
300-16315-0061	6.0 mm	315 mm	-7° to +133°	45°	yes, 370°
300-16385-0061	6.0 mm	385 mm	-7° to +133°	45°	yes, 370°
300-16455-0061	6.0 mm	455 mm	-7° to +133°	45°	yes, 370°
300-16945-0061	6.0 mm	945 mm	-7° to +133°	45°	yes, 370°
8,0 mm Multiscope					
300-18115-0061	8.0 mm	115 mm	-7° to +133°	45°	yes, 370°
300-18185-0061	8.0 mm	185 mm	-7° to +133°	45°	yes, 370°
300-18255-0061	8.0 mm	255 mm	-7° to +133°	45°	yes, 370°
300-18325-0061	8.0 mm	325 mm	-7° to +133°	45°	yes, 370°
300-18395-0061	8.0 mm	395 mm	-7° to +133°	45°	yes, 370°
300-18465-0061	8.0 mm	465 mm	-7° to +133°	45°	yes, 370°
300-18605-0061	8.0 mm	605 mm	-7° to +133°	45°	yes, 370°
9,0 mm Multiscope					
300-19205-0061	9.0 mm	205 mm	-7° to +133°	45°	yes, 370°
300-19305-0061	9.0 mm	305 mm	-7° to +133°	45°	yes, 370°
300-19405-0061	9.0 mm	405 mm	-7° to +133°	45°	yes, 370°
300-19505-0061	9.0 mm	505 mm	-7° to +133°	45°	yes, 370°
300-19605-0061	9.0 mm	605 mm	-7° to +133°	45°	yes, 370°
300-19705-0061	9.0 mm	705 mm	-7° to +133°	45°	yes, 370°
Operation Enviroment					
Air Temperatur	Multiscope	-20°C to +50°C			
	Probe	-20°C to +100°C			
Air pressure	Multiscope	up to 2 bar			
	Probe	up to 2 bar			
Humidity	not condensing	up to 95% at 40°C			
Fluid resistance	The probe can be immersed in				
	Water, saline solution 5%, alcohol solution 70%				
	kerosene, gasoline, diesel				

C o n t a c t

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Multiscope Swing Prism Borescope

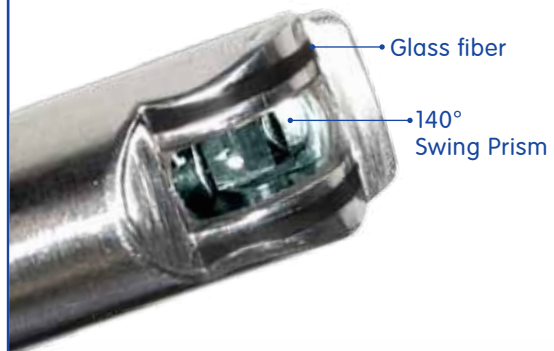
- Adjustable direction of view
- 370° Scope rotation for orbital view
- Single hand rotation control
- Palpable orientation
- Image Focussing
- Precise Optical Lens System
- Optimized Illumination
- Ergonomic detachable Handpiece



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Multiscope

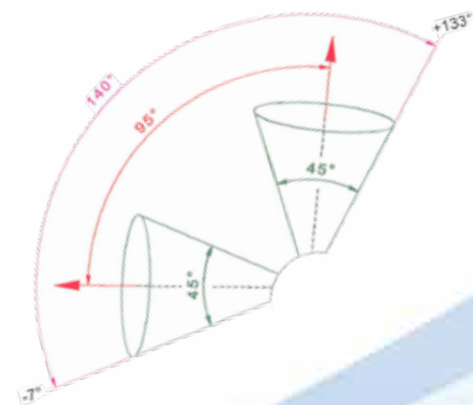
Multiscopes from IT Concepts are highly developed inspection devices, assembled from highly precise optical and mechanical parts. Design, construction and special production make them suitable for professional use in daily rough industrial applications.



Glass fiber
140° Swing Prism

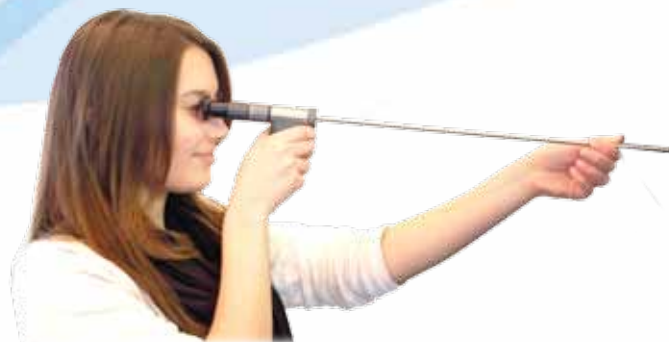
140° Swing prism head

By means of swing prism an individually adjustable direction of view is provided. This allows prograde (forward) or retrograde (backward) view during the inspection without changing the Scope.



Design and Handling

The metal construction results in a durable, long lasting device. The probe is made out of stainless steel, the main body out of aluminium. Precision assembly yields high quality. This minimizes the needs of service and cost of ownership. The detachable, ergonomic hand piece enables the user to handle the scope easy and conveniently.



Probe diameter 6mm | 8mm | 9mm

Working length 175mm - 705mm

Probe made of stainless steel

370° Rotation wheel

Main body made of aluminium

Light Guide Connector ACMI

Light Guide Connector Wolf

Light Guide Connector Storz

Light Guide Connector Lemo

Focussing ring

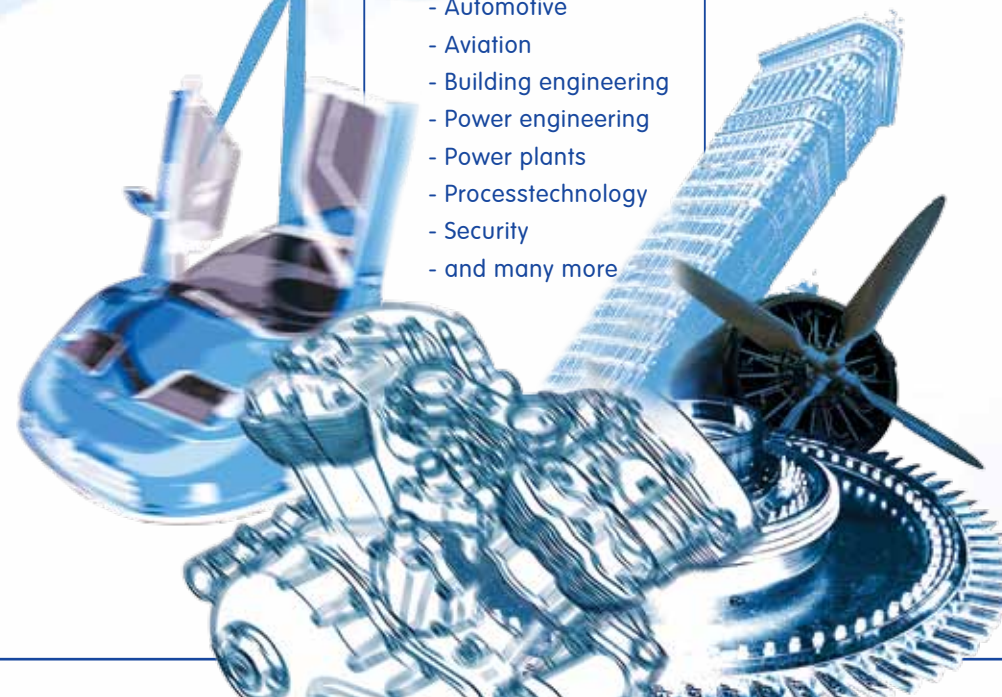
Adjusting ring

Removable eye-piece

Detachable hand piece

Applications

- Astronautics
- Automotive
- Aviation
- Building engineering
- Power engineering
- Power plants
- Processtechnology
- Security
- and many more



Interfaces

The standard-eye-piece allows to adapt the scope to cameras for documentation purpose. With this inspection images gained may easily be used for inspection reports and archival storage.



Camera Head

Camera Adapter

Illumination

For perfectly illuminated inspection areas the ratio between fiberpart and diameter of the optics has been optimized. For the use of the Multiscope we recommend Light Sources by IT Concepts, available from 3W to 300W (LED, Halogen, Metal Halide, Xenon).



Optics

Each Multiscope-Type is built with a special calculated optical system. The Achromatic, respectively hybrid lens system lead to outstanding image quality. Precise fitting parts provide a very smooth focus adjustment.

