



# More Precision

ELTROTEC // Industrial Endoscopes





- Ø 2.8mm to 10mm
- Lengths: 125mm to 1036mm
- Perfect optical system
- Optimised light conductors
- External focus ring for dioptre adjustment
- Ergonomic handle, removable

The Eltrotec SKF-D endoscope is the premium class amongst the rigid endoscopes. The wide product range enables to select the most appropriate model for a variety of applications. With its integrated focussing, a clear image of the target object can be obtained from every distance. If a mirror tube is used, the viewing direction can be adjusted by turning the hand wheel.

High quality lens systems provide clear and sharp images.

Even with an angled viewing direction, large angular fields of view are possible. The object is illuminated using an external light source from our range of accessories. The endoscopes can optionally be connected to a camera system.

#### Features:

- Robust design
- Perfect image sharpness
- True-colour image reproduction
- Optimised light conductors for excellent image brightness
- Special adaptations possible
- Ergonomic design

Type SKF-D						
Outer-Ø mm	Direction of view	Field of view	Length mm	Rotating tube	Article no.	90°-Mirror tube
2.8	0°	40°	125	no	20081160	yes
			254		20081161	
			383		20081162	
2.8	0°	90°	130	no	20081163	no
			254		20081164	
			383		20081165	
2.8	30°	90°	120	yes	20081166	no
			250		20081167	
			379		20081168	
2.8	90°	55°	185	yes	20081169	no
			245		20081170	
			314		20081171	
4.0	0°	40°	120	no	20081172	yes
			245		20081173	
			370		20081174	
4.0	0°	100°	120	no	20081175	no
			245		20081176	
			370		20081177	
4.0	30°	55°	120	yes	20081178	no
			245		20081179	
			370		20081180	
4.0	70°	55°	120	yes	20081181	no
			245		20081182	
			370		20081183	

Type SKF-D						
Outer-Ø mm	Direction of view	Field of view	Length mm	Rotating tube	Article no.	90°-Mirror tube
4.0	90°	55°	175	yes	20081184	no
			300		20081185	
			425		20081186	
5.8	0°	40°	135	no	20081187	yes
			275		20081188	
			415		20081189	
5.8	0°	100°	555	no	20081190	no
			146		20081191	
			286		20081192	
5.8	45°	65°	426	yes	20081193	no
			566		20081194	
			135		20081195	
5.8	70°	65°	205	yes	20081196	no
			275		20081197	
			345		20081198	
5.8	90°	65°	135	yes	20081199	no
			205		20082000	
			275		20082001	
5.8	90°	65°	345	yes	20082002	no
			135		20082003	
			205		20082004	
5.8	90°	65°	275	yes	20082005	no
			345		20082006	

Type SKF-D						
Outer-Ø mm	Direction of view	Field of view	Length mm	Rotating tube	Article no.	90°-Mirror tube
8.0	0°	40°	225	no	20081135	yes
			425		20082007	
			625		20082008	
			825		20082009	
			1025		20081917	
8.0	0°	100°	236	no	20082010	no
			436		20082011	
			636		20082012	
			836		20082013	
			1036		20081918	
8.0	45°	55°	225	yes	20082014	no
			325		20082015	
			425		20082016	
			525		20082017	
			625		20082018	
8.0	70°	65°	225	yes	20082019	no
			325		20082020	
			425		20082021	
			525		20082022	
			625		20081612	
8.0	90°	65°	225	yes	20082023	no
			325		20082024	
			425		20082025	
			525		20082026	
			625		20082027	
			725		20082028	

Type SKF-D						
Outer-Ø mm	Direction of view	Field of view	Length mm	Rotating tube	Article no.	90°-Mirror tube
10.0	0°	40°	225	no	20082029	yes
			425		20082030	
			625		20082031	
			825		20082032	
			1025		20082033	
10.0	0°	100°	236	no	20082034	no
			436		20082035	
			636		20082036	
			836		20082037	
			1036		20082038	
10.0	45°	55°	225	yes	20082039	no
			325		20082040	
			425		20082041	
			525		20082042	
			625		20082043	
10.0	70°	65°	225	yes	20082044	no
			325		20082045	
			425		20082046	
			525		20082047	
			625		20082048	
10.0	90°	65°	225	yes	20082049	no
			325		20082050	
			425		20082051	
			525		20082052	
			625		20082053	
			725		20082054	

(Other dimensions on request!)

**Mirror tubes for standard endoscopes**

- 90° deflection
- Rotatable stainless steel tube - 360°
- Mirror in the form of a prism



Outer-Ø mm	Deflection	Article no. mirror tube	for endoscope-Ø mm	for length mm	Article no. endoscope
3.05	90°	20092055	2.8	125	20081160
		20092056		254	20081161
		20092057		383	20081162
4.5	90°	20092058	4.0	120	20081172
		20092059		245	20081173
		20092060		370	20081174
6.3	90°	20092061	5.8	135	20081187
		20092062		275	20081188
		20092063		415	20081189
		20092064		555	20081190
8.5	90°	20092065	8.0	225	20081135
		20092066		425	20082007
		20092067		625	20082008
		20092068		825	20082009
		20092069		1025	20081917
11.0	90°	20092070	10.0	225	20082029
		20092071		425	20082030
		20092072		625	20082031
		20092073		825	20082032
		20092074		1025	20082033

**Accessories:**

Optical fibres, TV cameras, video processors and light sources

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We also produce designs with customer-specific diameters, lengths and directions of view with the corresponding technical characteristics such as e.g. increased heat resistance. Please contact us - we will advise you on the selection of the optimal solution tailored to your needs.

## High performance sensors made by Micro-Epsilon



Sensors and systems for displacement and position



Sensors and measurement devices for non-contact temperature measurement



2D/3D profile sensors (laser scanner)



Optical micrometers, fibre optic sensors and fibre optics



Colour recognition sensors, LED analyzers and colour online spectrometer



Measurement and inspection systems