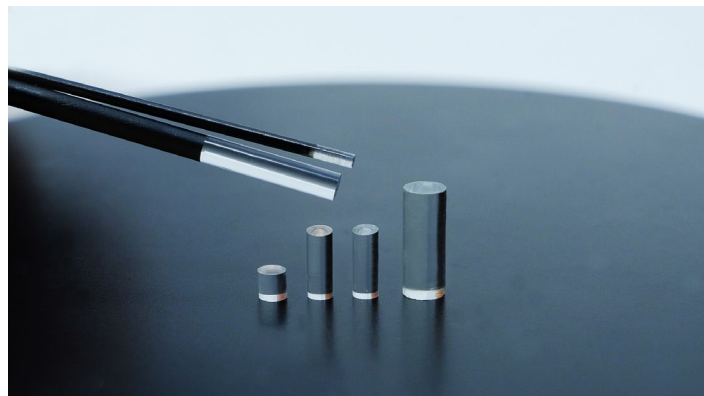


SELFOC® ROD Lens(SRL)

The SELFOC® Rod Lens is designed as a relay lens for small diameter rigid endoscopes. It is usually used in conjunction with a SELFOC® Imaging Lens (objective lens) to form a complete system. Cover glass and stainless steel tube are available as options.

Features:

- Rigid Endoscope
- SS tube option is available
- Coverglass option is available
- Image lens can be assembled



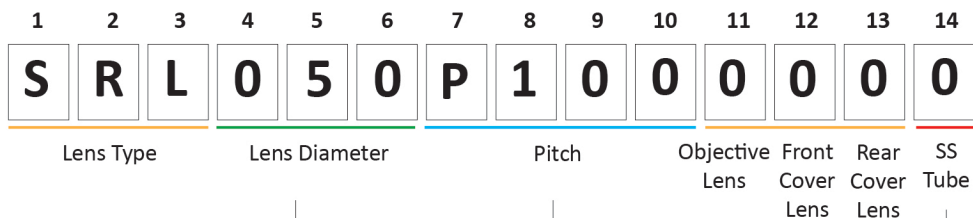
Optical Parameters:

Lens Diameter (mm) (Tolerance)	Dimensions (mm)						Optical Parameter				
	Pitch	Lens Dimension (mm)					SRL NA	View Angle (2θ)	Chromatic Aberration (μm)		
		SRL	ILW WD=5mm	Coverglass Thickness	Total Length	SS Tube OD			SRL	ILW	Total
0.35 (+0/-0.05)	1	14.9±0.5	0.96 ±0.1	0.33 +0/-0.03	16.2±0.7	0.60 ±0.03	0.119	13.5°	35	49	84
	2	29.8±1.0			31.1±1.2				71		120
	3	44.7±1.5			46.0±1.7				106		155
	4	59.6±2.0			60.9±2.2				142		191
0.5 (+0/-0.05)	1	30.2±1.0	1.39 ±0.13	0.33 +0/-0.03	31.9±1.2	0.75 ±0.03	0.084	9.5°	72	51	123
	2	60.4±2.0			62.1±2.2				144		195
	3	90.6±3.0			92.3±3.2				215		266
	4	120.8±4.0			122.5±4.2				288		339
0.7 (+0/-0.05)	1	44.7±1.4	2.00 ±0.20	0.35 +0/-0.03	47.1±1.7	0.95 ±0.03	0.079	9.0°	106	82	188
	2	89.4±2.8			91.8±3.1				212		294
	3	134.1±4.2			136.5±4.5				318		400
	4	178.8±5.6			181.2±5.9				424		506
1.0 (+0/-0.05)	1	44.7±1.4	2.95 ±0.30	0.50 +0/-0.03	48.2±1.8	1.25 ±0.03	0.113	13.0°	106	102	208
	2	89.4±2.8			92.9±3.2				212		314
	3	134.1±4.2			137.6±4.6				318		420
	4	178.8±5.6			182.3±6.0				424		526
1.3 (+0/-0.05)	1	67.0±2.1	3.96 ±0.35	0.65 +0/-0.03	71.6±2.5	1.55 ±0.03	0.098	11.0°	159	144	303
	2	134.0±4.2			138.6±4.6				318		462
	3	201.0±6.3			205.6±6.7				477		621
2.0 (+0/-0.05)	1	100.5±3.2	6.54 ±0.60	1.00 +0/-0.03	108.1±3.9	2.25 ±0.03	0.100	11.5°	239	261	500
	2	201.0±6.4			208.6±7.1				477		738
	3	301.5±9.6			309.1±10.3				716		977
2.7 (+0/-0.05)	1	140.7±4.4	9.34 ±0.80	not available	151.4±5.3	2.95 ±0.03	0.107	11.0°	302	314	616
	2	281.4±8.8			292.1±9.7				604		918

• On axis refractive index(N0) : 1.610(@550nm)

• Chromatic aberration $\Delta P / P : 2.3 \times 10^{-3}$

Ordering Guide:



Lens Diameter	
Code	Code Description
020	0.20 mm
025	0.25 mm
035	0.35 mm
050	0.50 mm
070	0.70 mm
100	1.00 mm
130	1.30 mm
180	1.80 mm
200	2.00 mm
270	2.70 mm

Pitch	
"P" followed by 3 numeric value of the Pitch:	
Code	Code Description
P100	1.0 Pitch
P250	2.5 Pitch
P325	3.25 Pitch
P400	4.0 Pitch
P525	5.25 Pitch

Objective Lens Front Cover Glass Rear Cover Glass	
Code	Code Description
0	Not Included
1	Included but not Assembled
2	Assembled

SS Tube	
Code	Code Description
0	Not Included
1	Included but not assembled
2	Assembled. 0.5mm protrusion at distal (SRL) end
	SRLILW
3	Assembled, 0.25mm protrusion at each end
	SRLILW
4	Assembled, 0.50mm protrusion at proximal (ILW) end
	SRLILW