

Catalogue number	Diameter, mm	Focal length, mm	Price, EUR
561-6122	12.7	25.4	185
561-6192	19.1	38.1	185
561-6251	25.4	50	195
561-6252	25.4	63.5	195
561-6253	25.4	75	195
561-6254	25.4	100	195
561-6255	25.4	127	190
561-6256	25.4	150	190

Catalogue number	Diameter, mm	Focal length, mm	Price, EUR
561-6257	25.4	200	190
561-6258	25.4	254	190
561-6382	38.1	63.5	315
561-6385	38.1	127	308
561-6388	38.1	190.5	308
561-6502	50.8	127	580
561-6765	76.2	254	1390

Please contact us for other size, shape, precision or coating requirements.

ZnSe Meniscus Lenses

SPECIFICATIONS

Material	ZnSe
Surface quality	40-20 scratch & dig (MIL-PRF-13830B)
Focal length tolerance	±2%
Diameter tolerance	+0.0 -0.13 mm
Thickness tolerance	±0.1 mm
Clear Aperture	90% of the diameter
Coating	both surfaces AR coated @ 10.6 µm, R≤0.5% per surface

HOUSING ACCESSORIES

Variable
Lens Holder
830-0040

See page 8.51



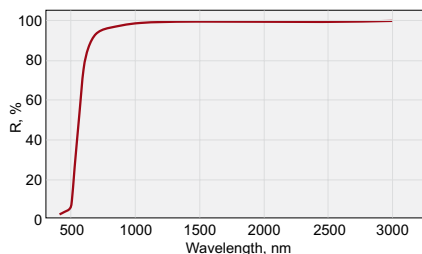
Catalogue number	Diameter, mm	Focal length, mm	Price, EUR
565-6122	12.7	38.1	215
565-6251	25.4	25.4	224
565-6252	25.4	38.1	224
565-6253	25.4	50	217
565-6255	25.4	63.5	217
565-6256	25.4	75	217
565-6257	25.4	100	217
565-6258	25.4	127	217
565-6382	38.1	63.5	345
565-6385	38.1	127	345
565-6388	38.1	254	345
565-6502	50.8	127	612
565-6765	76.2	254	1450

Please contact us for other size, shape, precision or coatings requirements.

SILICON (Si) COMPONENTS

Coated silicon substrates are most common used as mirrors for CO₂ lasers. Its advantages are good durability, thermal stability and relatively low cost.

The total reflectors are used as rear reflectors and fold mirrors and externally as beam benders in beam delivery systems.



External Transmission of Si mirror of 10 mm thickness

SPECIFICATIONS

Material	Si
Density, g/cm ³	2.33
Operation wavelength	10.6 µm
Surface quality	40-20 scratch & dig (MIL-PRF-13830B)
Surface flatness	λ/4 @ 633 nm
Clear aperture	>80% of diameter
Diameter tolerance	+0.0 -0.2 mm
Thickness tolerance	±0.25 mm
Coating	protected gold
Reflectivity for unpolarised radiation	> 99%

Silicon (Si) Mirrors

Catalogue number	Diameter, mm	Thickness, mm	Price, EUR
575-6250	25.4	3	59
575-6380	38.1	4	94
575-6500	50.8	5	159