



NEGATIVE MENISCUS LENSES

Used with the longer radius facing the longer conjugate, these lenses act as a diverging element with less aberrations than plano-concave lenses.

Germanium (Ge)

Diameter tolerance	0,-0.005"(+0,-0.13 mm)
Center Thickness tolerance	+/-0.008" (+/-0.2 mm)
Design Wavelength	10.6 microns
Focal Length Tolerance	+/-2%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	<3 arc min
Surface Irregularity	1/20 λ at 10.6 microns

CAT#	DIA, in	DIA, mm	FOC, mm	CT, mm	ET, mm	Sag1, mm	Sag2, mm	R1cc, mm	R2cx, mm
GE-NM-12-12	0.5	12.7	-13.0	2.0	2.7	1.7	1.0	12.65	20.80
GE-NM-12-25	0.5	12.7	-25.0	2.1	2.4	0.8	0.5	25.40	40.74
GE-NM-12-50	0.5	12.7	-50.0	2.2	2.6	0.4	0.3	51.98	81.85
GE-NM-25-25	1.0	25.4	-25.0	3.0	4.5	3.7	2.2	23.66	37.67
GE-NM-25-38	1.0	25.4	-38.0	2.9	3.7	2.1	1.3	39.61	63.39
GE-NM-25-50	1.0	25.4	-50.0	3.1	3.7	1.7	1.1	48.31	74.64
GE-NM-25-63	1.0	25.4	-63.5	3.0	3.5	1.2	0.8	65.77	103.75
GE-NM-25-76	1.0	25.4	-75.0	2.9	3.3	1.1	0.7	74.47	114.82
GE-NM-25-100	1.0	25.4	-100	3.2	3.5	0.8	0.5	107.65	172.58
GE-NM-25-127	1.0	25.4	-127	3.2	3.4	0.6	0.4	127.98	197.70
GE-NM-38-38	1.5	38.1	-38.0	5.0	7.4	6.2	3.7	32.66	51.35
GE-NM-38-50	1.5	38.1	-50.0	4.9	6.4	4.0	2.4	48.08	76.03
GE-NM-38-63	1.5	38.1	-63.5	4.9	6.0	2.8	1.7	65.77	106.17
GE-NM-38-76	1.5	38.1	-75.0	4.8	5.7	2.6	1.6	71.12	109.14
GE-NM-38-100	1.5	38.1	-100	4.8	5.5	2.0	1.3	93.11	139.90
GE-NM-38-127	1.5	38.1	-125	4.8	5.3	1.5	1.0	127.98	199.08
GE-NM-38-150	1.5	38.1	-150	4.7	5.1	1.2	0.8	147.25	223.40
GE-NM-50-50	2.0	50.8	-50.0	5.1	8.0	7.3	4.4	48.08	76.03
GE-NM-50-63	2.0	50.8	-63.0	5.1	7.1	5.1	3.1	65.77	106.17
GE-NM-50-76	2.0	50.8	-75.0	5.1	6.8	4.7	3.0	71.12	109.14
GE-NM-50-100	2.0	50.8	-100	5.2	6.4	3.4	2.2	93.11	141.25
GE-NM-50-127	2.0	50.8	-127	5.3	7.8	2.5	1.6	127.98	199.08
GE-NM-50-150	2.0	50.8	-150	4.7	5.1	2.2	1.4	147.25	223.40
GE-NM-50-200	2.0	50.8	-200	4.7	5.0	1.5	1.0	219.30	349.90

Custom sizes and specifications are available