



PRODUCTS APPLICATIONS TECHNOLOGY COMPANY CONTACT

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PRODUCTS

PRODUCT OVERVIEW

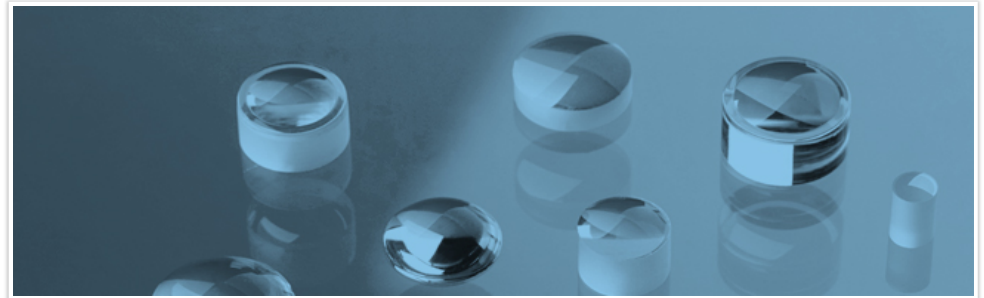
ASPHERES

MICROOPTICS

LASER BEAM SHAPING

DIFFRACTIVE OPTICS

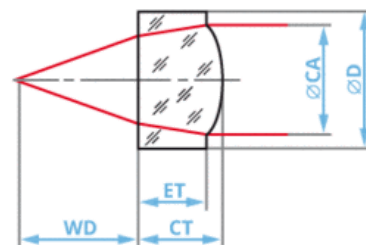
BEAM-SHAPING MIRROR
ARRAY



INDIVIDUALLY CUSTOMIZED ASPHERES

We are able to manufacture aspheres with a diameter of up to 30 mm. We gladly take over or assist with the design of the lens, but are at the same time ready to manufacture according to your drawing and specifications. New molding technologies allow for the production of biconvex or meniscus lenses. Besides our ability to manufacture laser collimating lenses, we are also profoundly experienced in designing and producing other types of aspheres, such as correctional lenses, to name just one example.

STANDARD ASPHERES



D: diameter
NA: numerical aperture
FL: focal length
WD: working distance
CA: clear aperture
CT: center thickness
ET: edge thickness
RMS: axial wave front aberration

Below please find an overview of our stock lenses. All Zemax files are downloadable for your convenience. For easy price inquiry, please click on the respective name of the lens you are interested in and let us know the desired quantity as well as the required hard coating.

Lens	NA	FL (mm)	WD (mm)	ØD (mm)	ØCA (mm)	CT (mm)	ET (mm)	RMS (waves)	λ (nm)	Zemax File
AC 002	0,40	2,00	1,50	2,54	1,60	0,80	0,50	0,04	1310 1550	Zemax_Ac 002
AC 024	0,47	2,86	1,71	3,00	2,70	1,84	0,96	0,05	1507	Zemax_Ac 024
AC 040	0,30	8,87	7,41	6,50	5,30	2,36	1,62	0,05	635	Zemax_Ac 040
AC 055	0,27	11,00	9,54	7,20	6,00	2,20	1,46	0,10	635	Zemax_Ac 055
AC 055a	0,25	11,00	9,54	6,00	5,50	2,20	1,51	0,10	635	Zemax_Ac 055a
AC 057	0,32	8,00	5,51	6,37	5,10	4,00	3,28	0,05	780	Zemax_Ac 057

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Lens	NA	FL (mm)	WD (mm)	ØD (mm)	ØCA (mm)	CT (mm)	ET (mm)	RMS (waves)	λ (nm)	Zemax File
AC 090	0,28	6,50	5,00	5,00	3,80	2,56	2,05	0,05	650	Zemax_Ac 090
AC 130	0,43	15,20	12,07	15,00	13,00	5,00		0,1	976	Zemax_Ac 130
AC 144		11,32	9,75	8,00	7,200	2,663		0,08	635	Zemax_Ac 144

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