

Lenses for High Power Lasers

The lenses for high power lasers are mostly used in laser heads of high power lasers for applications like welding and cutting. We manufacture these lenses for solid-state, fiber, and diode lasers (900nm ... 1100nm) as well as for CO₂-lasers (9.2µm ... 10.6µm). Below in the table we present our standard lenses. They are made from UVFS as well as from ZnSe laser grade and have antireflection coatings.

lenses for 900nm ... 1100nm

Material: UVFS, AR/AR@900-1100nm<0.5% or AR/AR@one wave length +/- 20nm<0.25%

lens form	size	focal length	price EUR/pc 1-20 pcs
plcx	dia 25 x Tc 3.2 mm	150 mm	25.50
plcx	dia 25 x Tc 3.2 mm	200 mm	26.00
meniscus	dia 25 x Tc 6.5 mm	R1-20.51mm / R2+33.88mm	22.50
plcx	dia 38.1 x Tc 6 mm	100 mm	33.10
plcx	dia 38.1 x Tc 6 mm	150 mm	33.10
plcx	dia 38.1 x Tc 6 mm	200 mm	33.16
plcx	dia 38.1 x Tc 6 mm	300 mm	33.10

lenses for 10.6µm

Material: ZnSe laser grade, AR/AR@10.6µm

lens form	size, mm	focal length, mm	price EUR/pc 1-20 pcs	lens form	size, mm	focal length, mm	price EUR/pc 1-20 pcs
meniscus	dia 38.1 x Te 6	95.3	263.06	meniscus	dia 38.1 x Te 9	127	247.13
meniscus	dia 38.1 x Te 6	127	221.81	meniscus	dia 38.1 x Te 9	190.5	247.13
meniscus	dia 38.1 x Te 6	190.5	221.81	plcx	dia 50.8 x Te 7.62	127	268.38
meniscus	dia 38.1 x Te 7.4	95.3	216.81	plcx	dia 50.8 x Te 7.62	190.5	228.38
meniscus	dia 38.1 x Te 7.4	127	216.81	plcx	dia 50.8 x Te 7.87	127	428.38
meniscus	dia 38.1 x Te 7.4	190.5	216.81	plcx	dia 50.8 x Te 7.87	190.5	428.38
meniscus	dia 38.1 x Te 7.4	254	216.81	plcx	dia 50.8 x Te 9.65	127	373.38
meniscus	dia 38.1 x Te 9	95.3	374.63	plcx	dia 50.8 x Te 9.65	190.5	373.38