

# Coupling Lens ( $\Phi 5.2$ )

## Key Parameters

Working Distance(Obj)/Working Distance(Img)=2.85 / 7.39

NA(Obj)/NA(Img)=0.45 / 0.21

## Introduction

Among the numerous methods to couple light sources to optical fiber, one of them uses coupling lenses. The coupling lenses provided by Egismos are lenses with double aspherical surfaces. They are produced through precision molding technology processes, i.e. the material of the lenses is glass and the aspherical surfaces are controlled with high precision. Egismos' coupling lenses are designed and fabricated by our engineering team and have been certified for many practical application.

Our line of aspherical lenses, including coupling lenses, is always expanding. Besides the off-the-shelf products, customized lenses can also be designed upon customer's requirements.

Specifications	
Material	D-ZK3
Diameter(mm)	5.2+0/-0.02
Design Wavelength(nm)	550
Clear Aperture(mm)	4.6 / 3.9
Working Distance(Obj)	2.85
Working Distance(Img)	7.39
NA(Obj)/NA(Img)	0.45 / 0.21
Center Thickness(mm)	3.5±0.01
Coating(customized)	AR
Decentering	< 3 mins
Surface Quality	60/40

