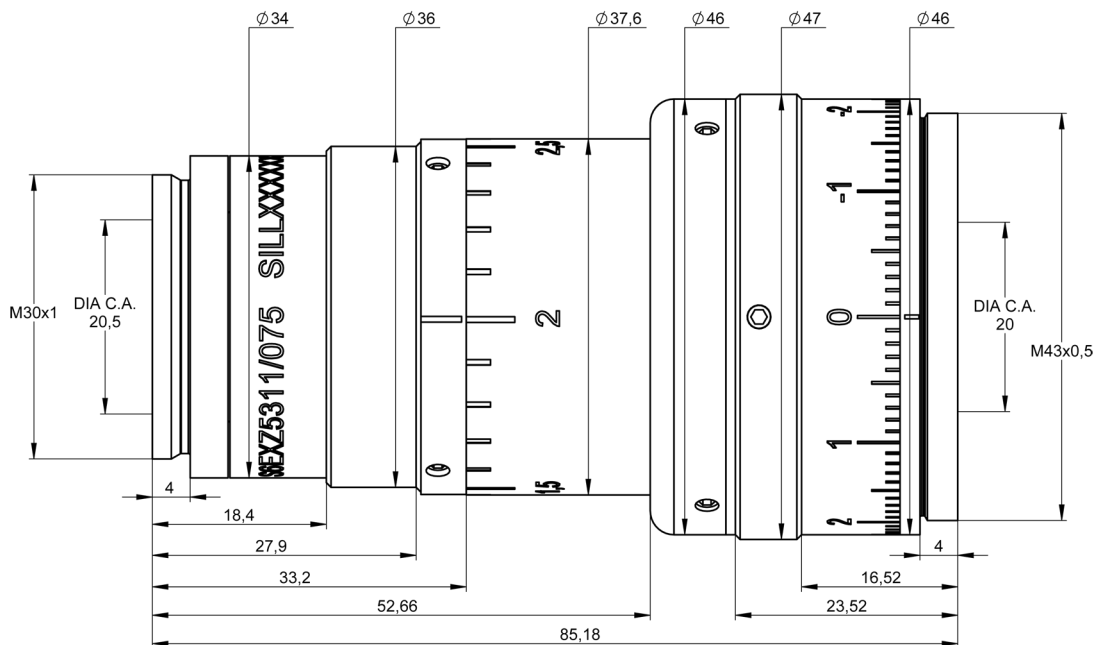


## DATA SHEET S6EXZ5311/075

**zoom-beamexpander  
magnification 1.0 - 3.0  
wavelength 355 nm**

- ◆ for standard laser
- ◆ fused silica
- ◆ standard coating



outline drawing

## S6EXZ5311/075 zoom-beamexpander

### Specifications

design wavelength [nm]	355
magnification factor	1.0 - 3.0 continuous
divergence adjustable	✓
optical principle	Galilei (no internal focus)
length [mm]	85.2
mounting thread	M30x1
pointing stability [mrad]	<1
clear output aperture [mm]	20.0
max. input diameter [mm]	6.0
total number of lenses	4
total transmission [%]	97.0
lens material	fused silica
damage threshold [J/cm <sup>2</sup> ]	1.0 (1ns pulse at 50Hz)
weight [kg]	not yet weighed
accessory	S6MEC0107 - adapter M30x1 to C-mount *)
	*) alternativley S6EXZ5310/075 with C-mount

### Notes

Divergence independent from magnification factor  
 The laser should not be operated while zooming  
 The max. beam-diameter is 6 mm respectivley limited by the magnification factor