

DATA SHEET

S6EXZ5311-292

BEAMEXPANDER

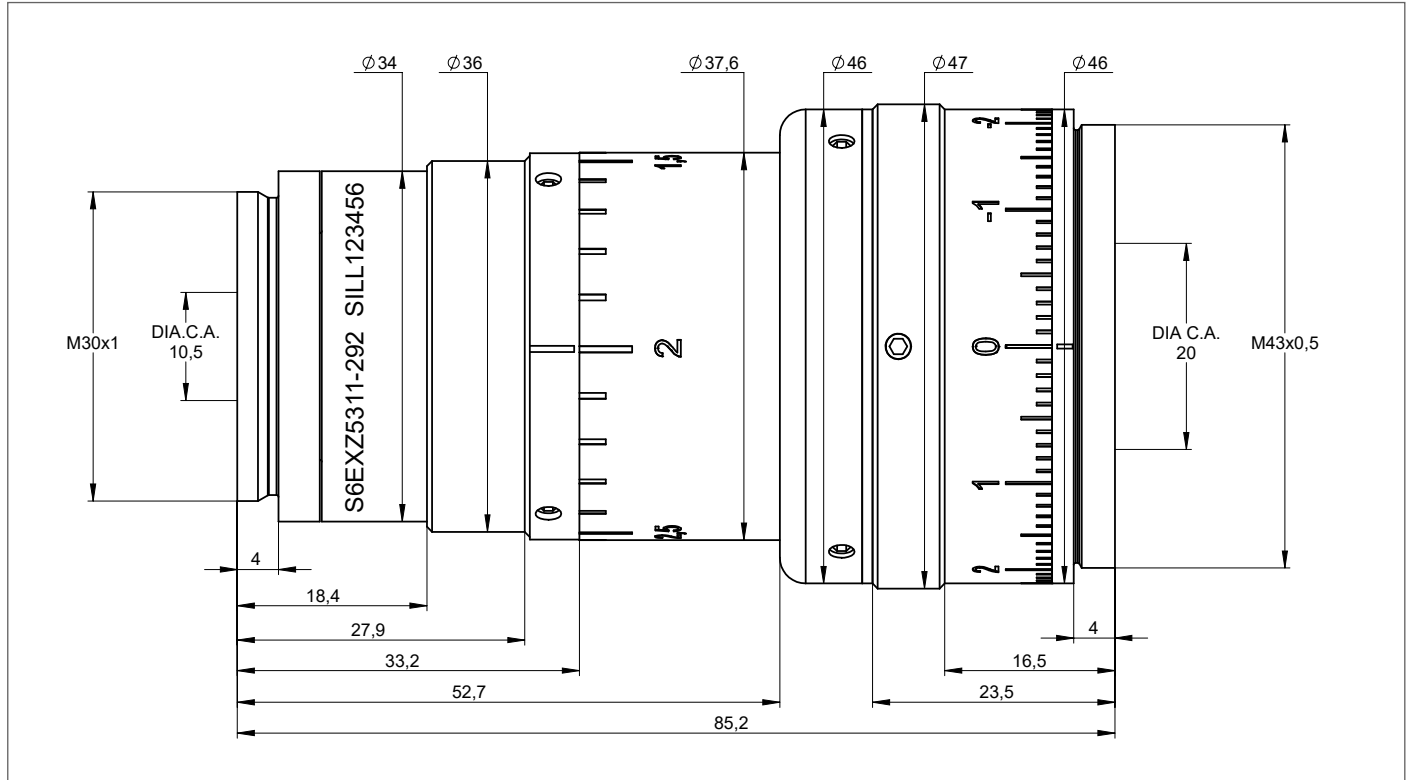
MAGNIFICATION 1.0 - 3.0

FOR 515 - 545 nm

FUSED SILICA



OUTLINE DRAWING



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SPECIFICATIONS

article number	S6EXZ5311-292
design wavelength [nm]	532
magnification factor	1.0 - 3.0
divergence adjustable	yes
optical principle	Galilei (no internal focus)
pointing stability [mrad]	< 1
clear input aperture [mm]	10.5
clear output aperture [mm]	20.0
max. input beam-Ø [mm] ¹⁾	9.0 (1x) - 6.0 (3x)
total number of lenses	4
total transmission [%]	> 97
lens material	fused silica
LIDT (coating) [J/cm²]	2.5 J/cm² per 1 ns pulse at 50Hz
SP and USP usable	yes
SP and USP usable, reversed usage	no
mounting thread	M30x1
weight [kg]	0.3
accessory	S6MEC0107 - adapter M30x1 to C-mount

REMARKS

¹⁾clipped at $1/e^2$

magnification (reversed mode) = 1 / magnification (regular mode)

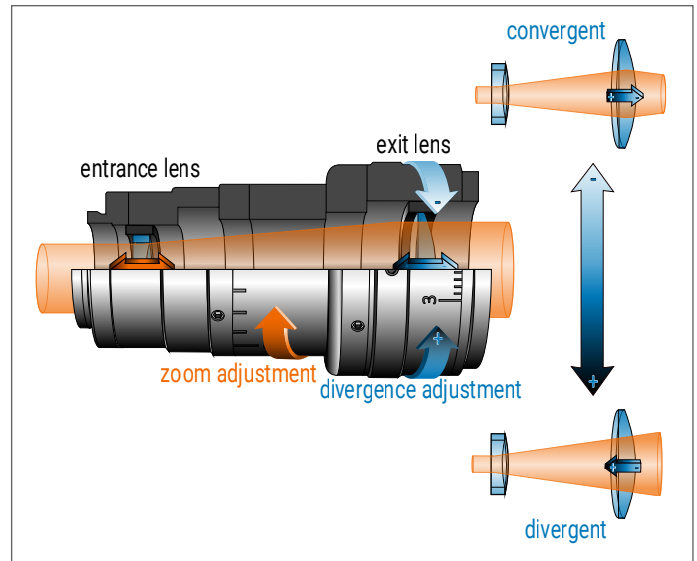
divergence adjustment = 0 → collimated input beam results in collimated output beam

maximum divergence adjustment is ± 3 mm

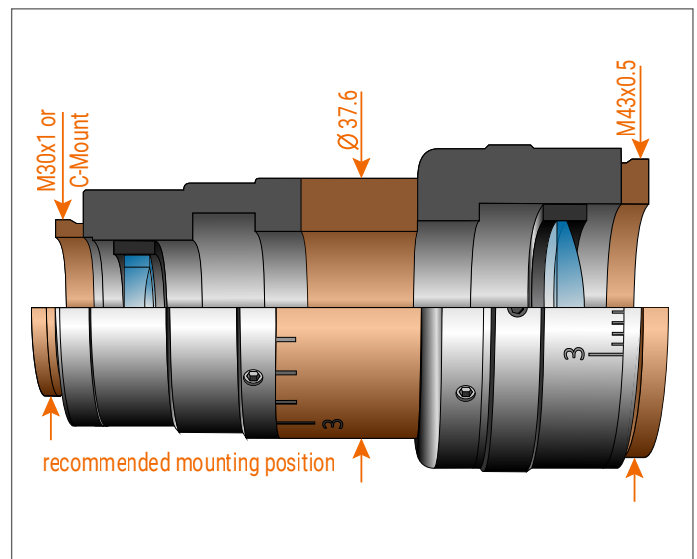
RoHS compliant

length at divergence setting „0“ stated in the drawing - length extension of max. 3 mm is possible

DIVERGENCE ADJUSTMENT



MOUNTING POSITIONS



BACK REFLECTION POSITION

back reflections [mm]	
0.0	
back reflections reverse [mm]	
50.50	
0.00	
0.00	

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