

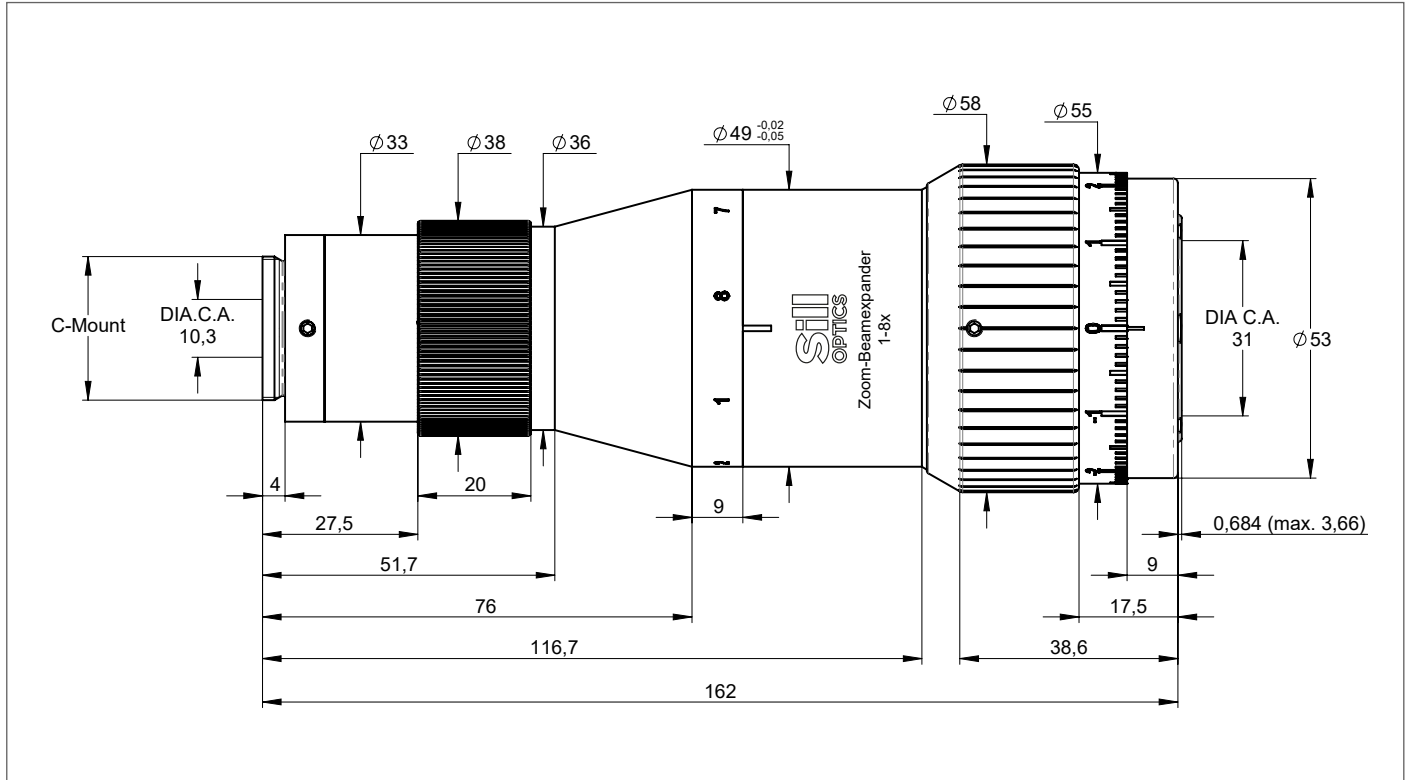
DATA SHEET

S6EXZ5076-328

BEAMEXPANDER
MAGNIFICATION 1.0 - 8.0
FOR 1030 - 1090 nm
FUSED SILICA



OUTLINE DRAWING



All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 28.07.2023

Sill
OPTICS
WWW.SILLOPTICS.DE

DATA SHEET

SPECIFICATIONS

article number	S6EXZ5076-328
design wavelength [nm]	1064
magnification factor	1.0 - 8.0
divergence adjustable	yes
optical principle	Galilei (no internal focus)
pointing stability [mrad]	< 1
clear input aperture [mm]	10.3
clear output aperture [mm]	31.0
max. input beam-Ø [mm] ¹⁾	9.0 (1x) - 3.5 (8x)
total number of lenses	4
total transmission [%]	> 97
lens material	fused silica
LIDT (coating) [J/cm ²]	5.0 J/cm ² per 1 ns pulse at 50Hz
SP and USP usable	yes
SP and USP usable, reversed usage	no
mounting thread	C-Mount
weight [kg]	0.6
accessory	S6MEC2530 - adapter C-mount to M30x1, adjustable mount S5SET0150 with adapter S6MEC5075

REMARKS

¹⁾clipped at 1/e²

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

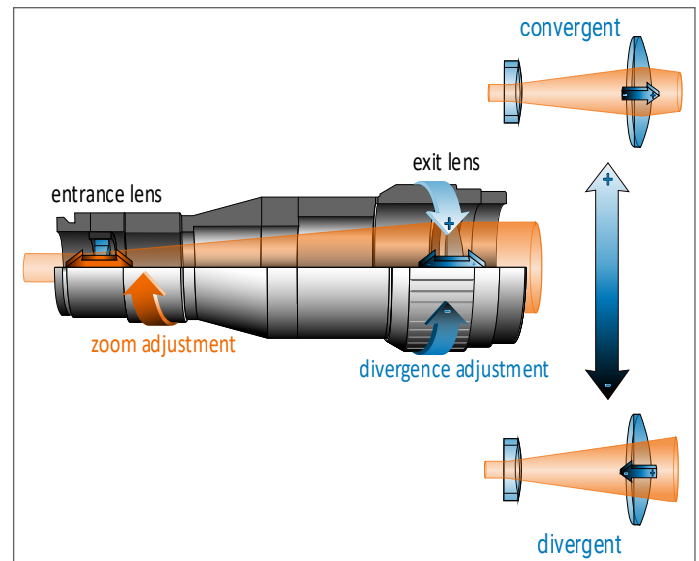
divergence adjustment = 0 → collimated input beam results in collimated output beam

maximum divergence adjustment is ± 3 mm

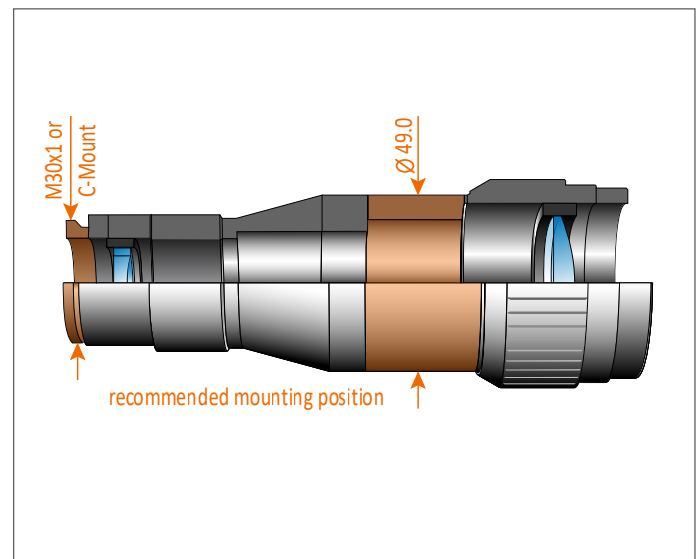
RoHS compliant

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]	56.60
	0.00
	0.00

All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 28.07.2023