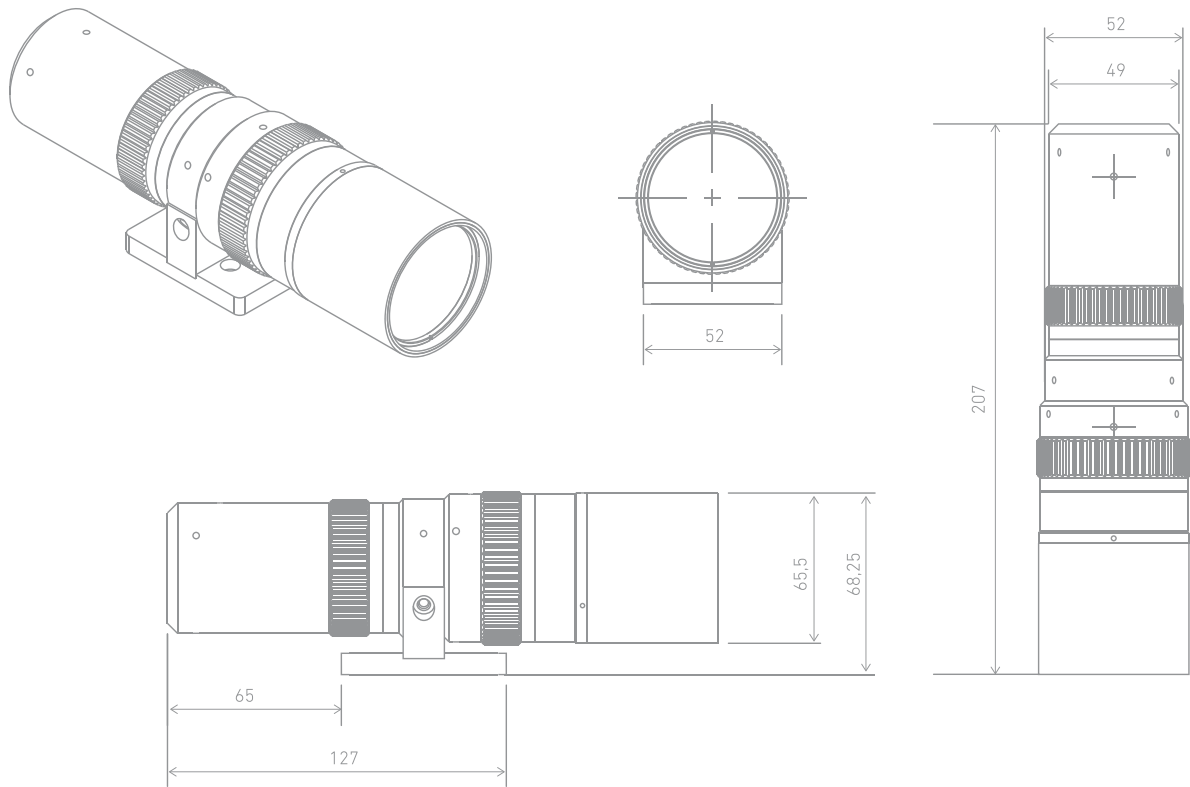




Variable beam expanders

FEATURES	APPLICATIONS
Motorized or manual adjustment Compact design High beam pointing stability Adjustable divergence	Laser Micromachining Lidar Systems Collimation of Lasers and Harmonics Optical instrumentation



Laser beam expanders and delivery systems

MODEL	TEX18	TEX13	MEX13
Design wavelength	1064 + 532 nm		
Magnification factor	1 - 8 continuous	1 - 3 continuous	1 - 3 continuous
Divergence adjustable	Yes		
Adjustment	Manual	Manual	Motorised
Pointing stability	< 1 mrad	< 1 mrad	< 0,5 mrad
Clear input aperture	8 mm	10 mm	10 mm
Clear output aperture	40 mm	22 mm	22 mm
Max. input beam diameter	8.0(1x) - 4,5(8x) mm	10.0(1x) - 6,0(3x) mm	10.0(1x) - 6.0(3x) mm
Total number of lenses	3		
Total transmission	97%		
Lens material	fused silica		
LIDT (coating)	10 [J/cm ²] (10ns @ 1064 nm)		
Mechanical length	210 mm	105 mm	115 mm