

Beam Expander 2x-10x

Large Magnification Range

- Diffraction-limited performance for all magnifications
- No internal foci
- No internal reflections in elements for all magnifications

	1030-1080 nm	515-540 nm	355 nm
GDD ¹⁾ :	288 fs ²	1070 fs ²	1640 fs ²
LIDT coating pulsed; CW ²⁾ :	5.0 J/cm ² * (τ /[ns]) [^] 0.30; 5.0 MW/cm ²	2.5 J/cm ² * (τ /[ns]) [^] 0.35; 2.5 MW/cm ²	1.0 J/cm ² * (τ /[ns]) [^] 0.40; 1.0 MW/cm ² ⁴⁾
LIDT system pulsed; CW ²⁾ :	0.50 J/cm ² * (τ /[ns]) [^] 0.30; 0.50 MW/cm ²	0.25 J/cm ² * (τ /[ns]) [^] 0.35; 0.25 MW/cm ²	0.10 J/cm ² * (τ /[ns]) [^] 0.40; 0.10 MW/cm ² ⁴⁾

Zoom factor	Ø entrance pupil ³⁾		
	1030-1080 nm	515-540 nm	355 nm
2x	8.0 mm	8.0 mm	6.0 mm
3x	8.0 mm	7.0 mm	6.0 mm
4x	7.0 mm	6.0 mm	5.0 mm
5x	6.0 mm	5.0 mm	4.5 mm
6x	5.0 mm	4.0 mm	4.0 mm
7x	4.0 mm	4.0 mm	3.5 mm
8x	3.5 mm	3.5 mm	3.0 mm
9x	3.2 mm	3.2 mm	2.7 mm
10x	3.0 mm	3.0 mm	2.2 mm

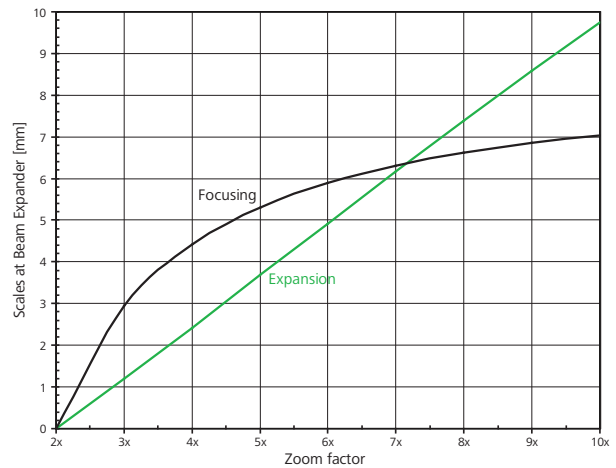
Order Number: **017052-001-26** **017052-201-26** **017052-401-26**

- ¹⁾ Group delay dispersion | ²⁾ See technical note
³⁾ Recommended maximum diameter of entrance pupil
⁴⁾ For UV lasers, the LIDT values are valid for pulse durations > 10 ps.
 For shorter pulses please be advised to test.

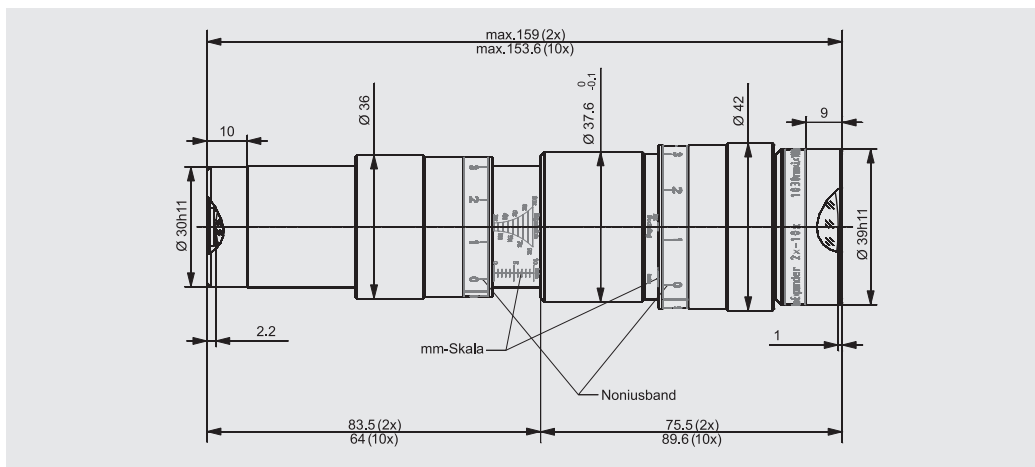
Specification

Materials	
Entrance elements:	Fused silica
Exit elements:	Highly laser-resistant materials (532 nm and 1030...1080 nm) or fused silica (355 nm)
Transmission:	≥ 96 %
Mounting Ø:	37.6 (0/-0.1) mm
Weight:	0.23 kg

Magnification	Expansion scale	Focusing scale
2x	0.0 mm	0.0 mm
10x	9.7 mm	7.1 mm



Fine adjustment of the zooming and focusing scale by the combination of mm scales and vernier scales.



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Same dimensions for
all wavelength versions.