Beam Expander 1x-8x
High Power Systems

- Diffraction-limited performance for all magnifications
- No internal foci & no internal reflections in elements for all magnifications
- Highest beam pointing stability (≤ 0.3 mrad)

<table>
<thead>
<tr>
<th>Zoom factor</th>
<th>Ø entrance pupil</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x</td>
<td>9.0 mm</td>
</tr>
<tr>
<td>2x</td>
<td>9.0 mm</td>
</tr>
<tr>
<td>3x</td>
<td>9.0 mm</td>
</tr>
<tr>
<td>4x</td>
<td>7.5 mm</td>
</tr>
<tr>
<td>5x</td>
<td>6.0 mm</td>
</tr>
<tr>
<td>6x</td>
<td>5.0 mm</td>
</tr>
<tr>
<td>7x</td>
<td>4.5 mm</td>
</tr>
<tr>
<td>8x</td>
<td>4.0 mm</td>
</tr>
</tbody>
</table>

Order Number: 606997 627443 586117

Specifications:

- Diffraction-limited performance for all magnifications
- No internal foci & no internal reflections in elements for all magnifications
- Highest beam pointing stability (≤ 0.3 mrad)

Materials:
- Entrance elements: Fused silica
- Exit elements: Fused silica
- Transmission: ≥ 97 %
- Beam pointing stability: ≤ 0.3 mrad
- Mounting Ø: 55.0 (+0.0/-0.05) mm or mounting threads M30x1
- Weight: 0.54 kg

Mexico coating
- GDD1): 339 fs² 1580 fs² 2810 fs²

LIDT coating pulsed; CW2):
- 0.35 μJ/cm² * (τ/μs) ^ 0.30; 0.35 MW/cm²
- 0.20 μJ/cm² * (τ/μs) ^ 0.30; 0.20 MW/cm²
- 0.10 μJ/cm² * (τ/μs) ^ 0.40; 0.10 MW/cm²

LIDT system pulsed; CW2):
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Registered Design in DE 40 2016 001 282.4
Registered in CN, EU, HK, IN, JP, KR
Pending in TW
Granted Patent DE 10 2015 009 124

Same dimensions for all wavelength versions.