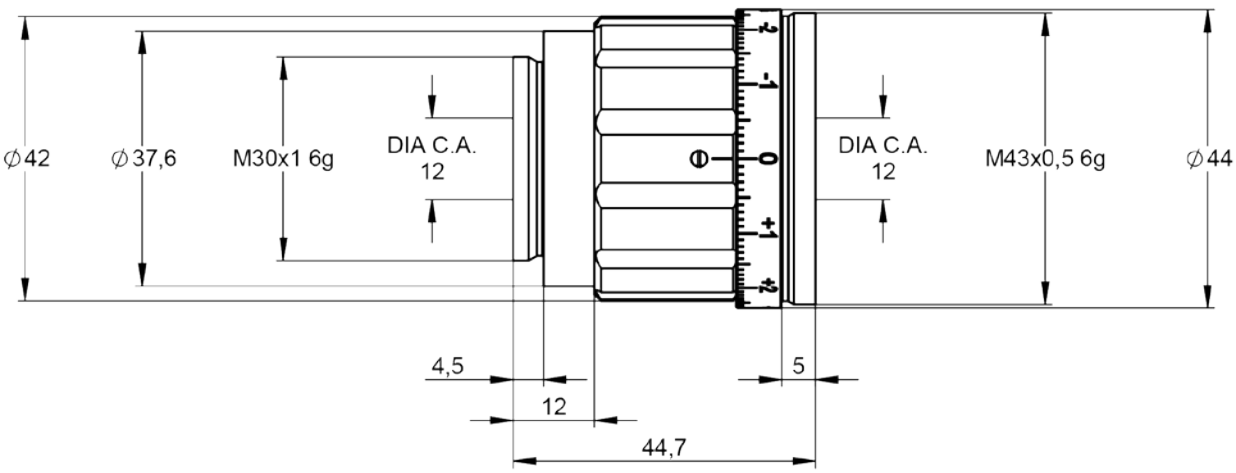
# DATA SHEET

新特光电
Sintec Optronics

## S6EXK0008/574

### Beamexpander

- magnification 0.8x
- for 343 nm - 355 nm
- fused silica
- low absorption coating



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Sintec Optronics 新特光电

## specifications

| | |
|---|---|
| article number | S6EXK0008/574 |
| design wavelength [nm] | 355 |
| magnification factor | 0.8x |
| divergence adjustable | ✓ |
| optical principle | Galilei (no internal focus) |
| mounting thread | M30x1 |
| pointing stability [mrad] | < 1 |
| clear input aperture [mm] | 12.0 |
| clear output aperture [mm] | 12.0 |
| max. input beam diameter [mm] | 10.0 |
| wavefront error[1)] | <λ/10 for $1/e^2$ diameter[2)] of 10.0 |
| total number of lenses | 2 |
| total transmission [%] | 99 |
| lens material | fused silica |
| LIDT (coating) [J/cm²] | 1.0 (1ns pulse at 50Hz) |
| no internal ghosts [✓/×] | ✓ |
| no internal ghosts, reversed usage | × |
| weight [kg] | 0.20 |
| accessory | S6MEC0107 - adapter M30x1 to C-mount |

## notes

1) Wavefront error peak to valley on axis proved by design
2) beam diameter vignetted at $1/e^2$

Data given by design

LIDT = Laser Induced Damage Threshold, valid for the coating at design wavelength and gaussian intensity profil

length at divergence setting „0". Max. lengthening of 3 mm is possible