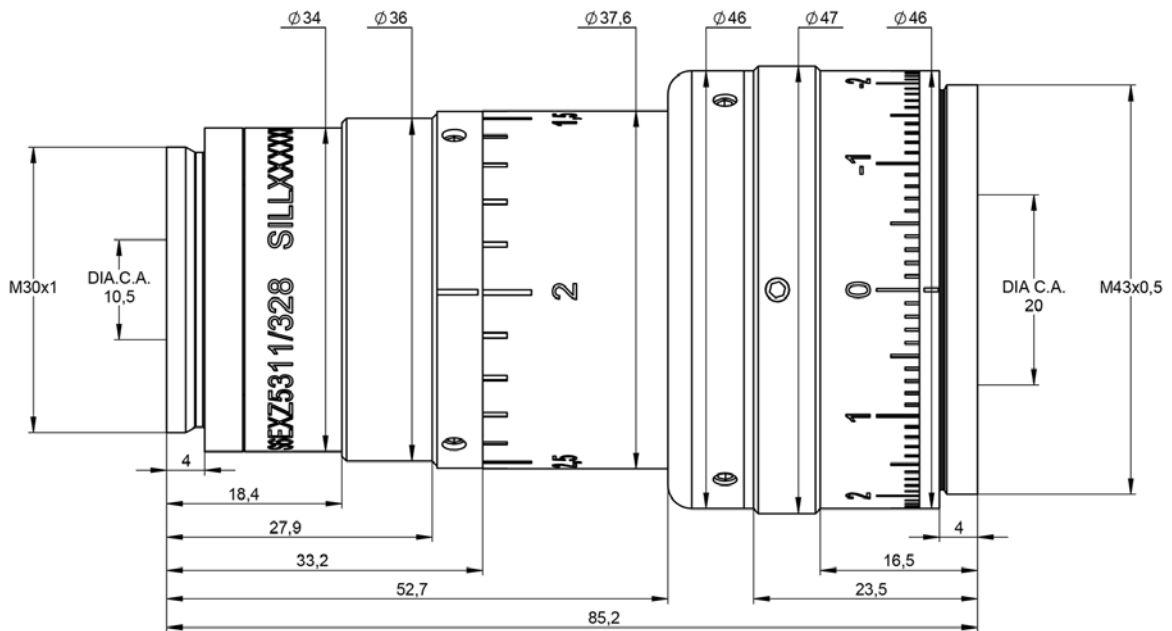


DATA SHEET



S6EXZ5311/328 Beamexpander

- magnification 1.0 - 3.0
- for 1030 nm - 1090 nm
- fused silica
- low absorption coating



outline drawing

DATA SHEET



specifications

| | |
|-------------------------------------|--------------------------------------|
| article number | S6EXZ5311/328 |
| design wavelength [nm] | 1064 |
| magnification factor | 1.0 - 3.0 continuous |
| divergence adjustable ¹⁾ | ✓ |
| optical principle | Galilei (no internal focus) |
| mounting thread | M30x1 |
| pointing stability [mrad] | < 1 |
| clear input aperture [mm] | 10.5 |
| clear output aperture [mm] | 20.0 |
| max. input beam diameter [mm] | 9.0 (1x) - 6.0 (3x) |
| total number of lenses | 4 |
| total transmission [%] | 97 |
| lens material | fused silica |
| LIDT (coating) [J/cm ²] | 5.0 (1ns pulse at 50Hz) |
| no internal ghosts [✓/×] | ✓ |
| no internal ghosts, reversed usage | × |
| weight [kg] | 0.30 |
| accessory | S6MEC0107 - adapter M30x1 to C-mount |

notes

1) Divergence is independent from magnification factor

Data given by design

Attention! The laser should not be operated while zooming!

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