

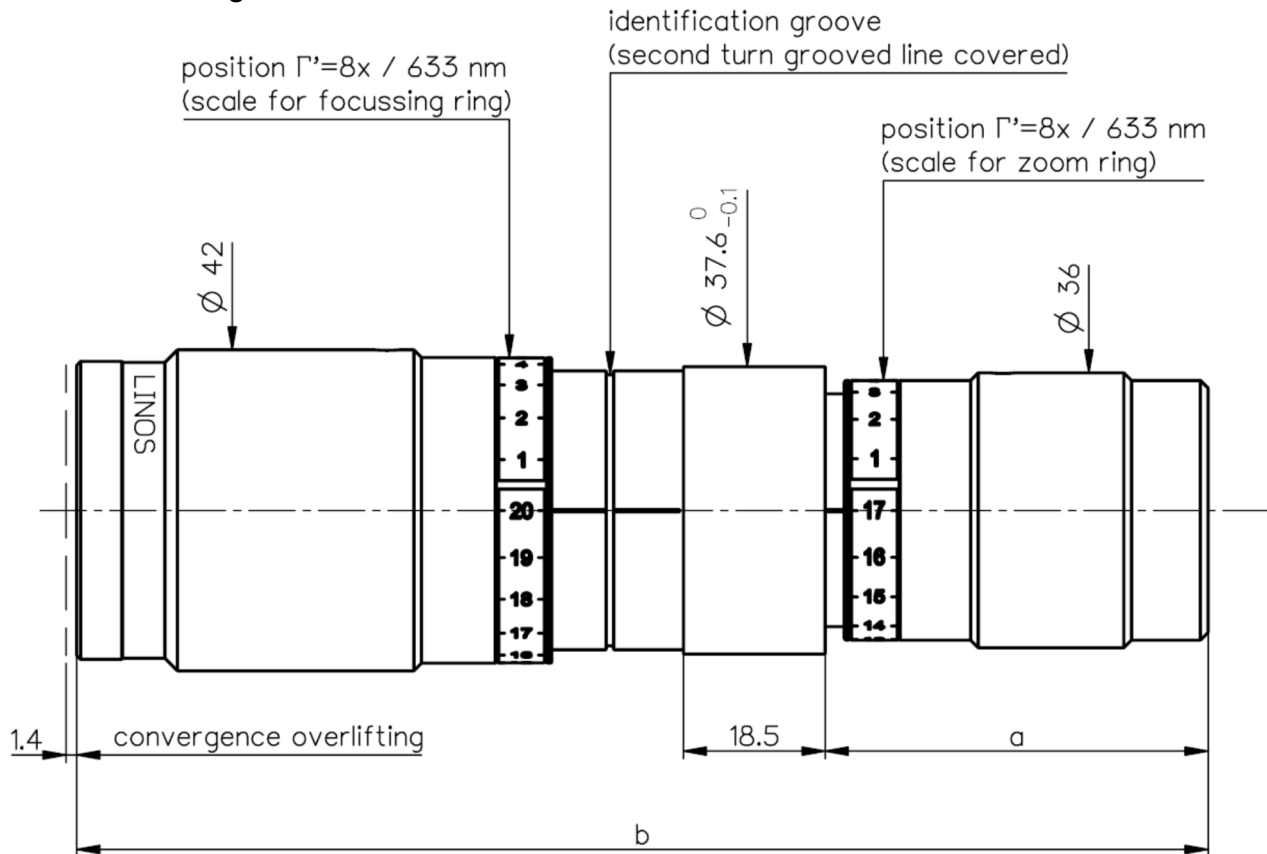
LINOS Beam Expander

2 - 8x, 633 - 980nm

| | | | |
|---|-----------------------|----------------------|---------------------------|
| Part number | 4401-258-000-20 | | |
| Design wavelength | λ | (nm) | 633 |
| Expansion | Γ' | | 2x - 8x |
| Lens material | | | Optical glass |
| Material | | | Aluminium, black anodized |
| Max. entrance beam diameter ($1/e^2$ truncated) for $2.0 \leq \Gamma \leq 3.9$ | $E_{max} \varnothing$ | (mm) | 8.0 |
| Max. entrance beam diameter ($1/e^2$ truncated) for $3.9 < \Gamma \leq 8.0$ | $E_{max} \varnothing$ | (mm) | 4.0 |
| LIDT coating @ 532nm, 6ns, 100Hz | | (J/cm ²) | 6 |

Subject to technical change

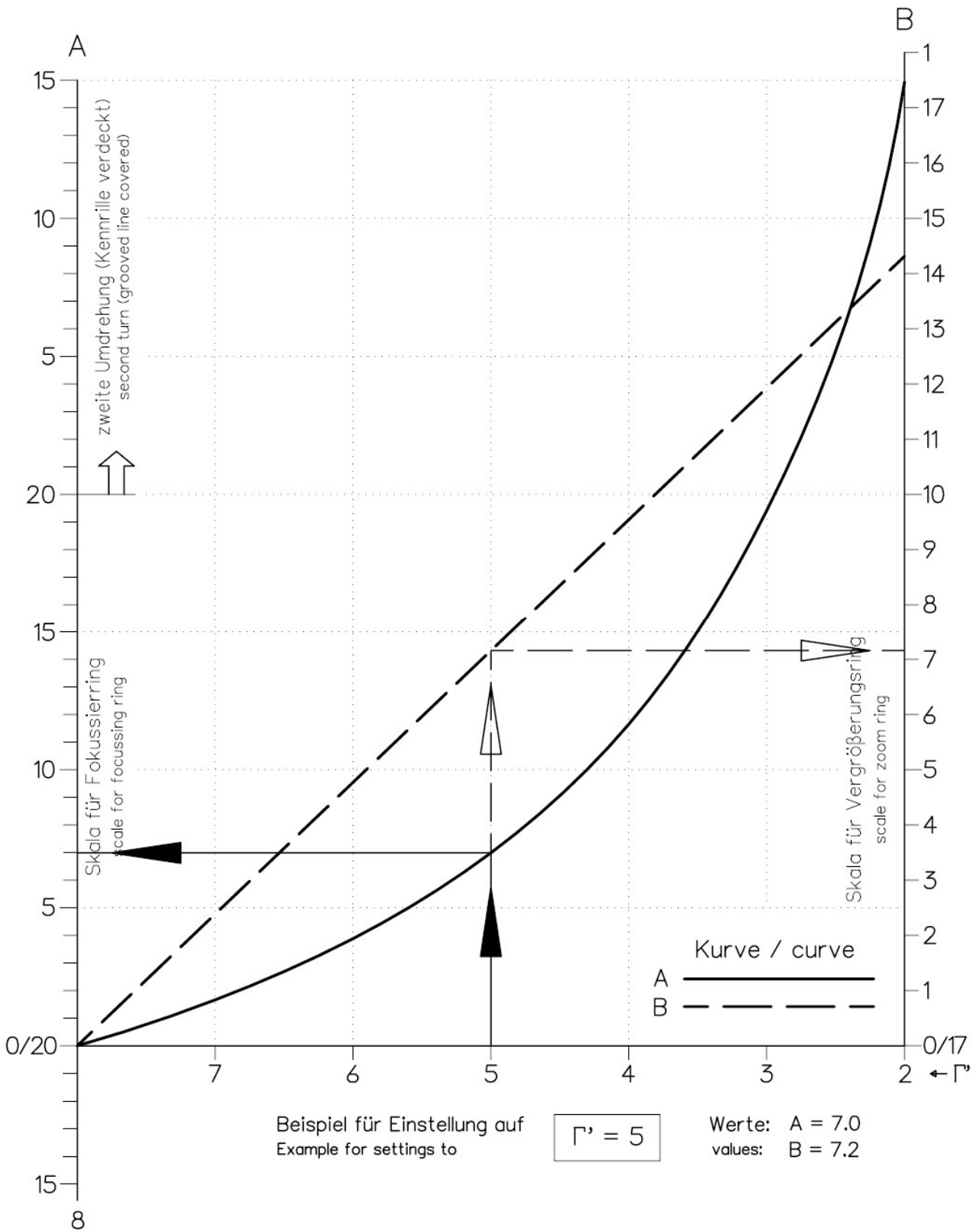
Mechanical drawing



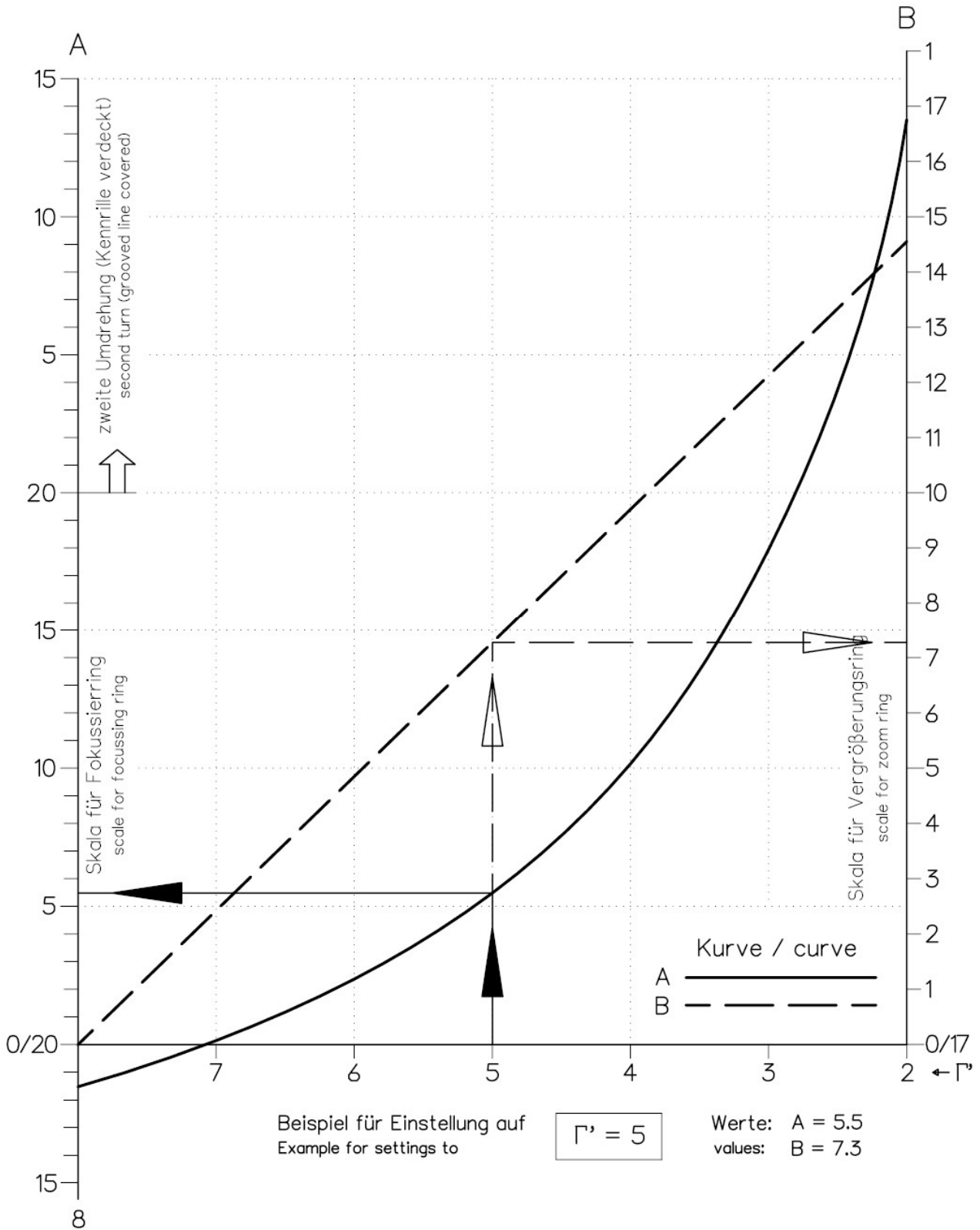
Dimensions without tolerances are nominal values and illustration not to scale

| λ | 633nm | 780nm | 830nm | 980nm |
|--------------------------|---------------|---------------|---------------|---------------|
| Γ' | 2x / 8x | 2x / 8x | 2x / 8x | 2x / 8x |
| a | 65.1 / 50.0 | 65.4 / 50.0 | 65.5 / 50.0 | 65.6 / 50.0 |
| b | 147.1 / 147.7 | 148.0 / 148.4 | 148.3 / 148.6 | 148.9 / 149.1 |
| $B_{max} (\Gamma' = 4x)$ | 152.5 | 153.4 | 153.6 | 154.2 |

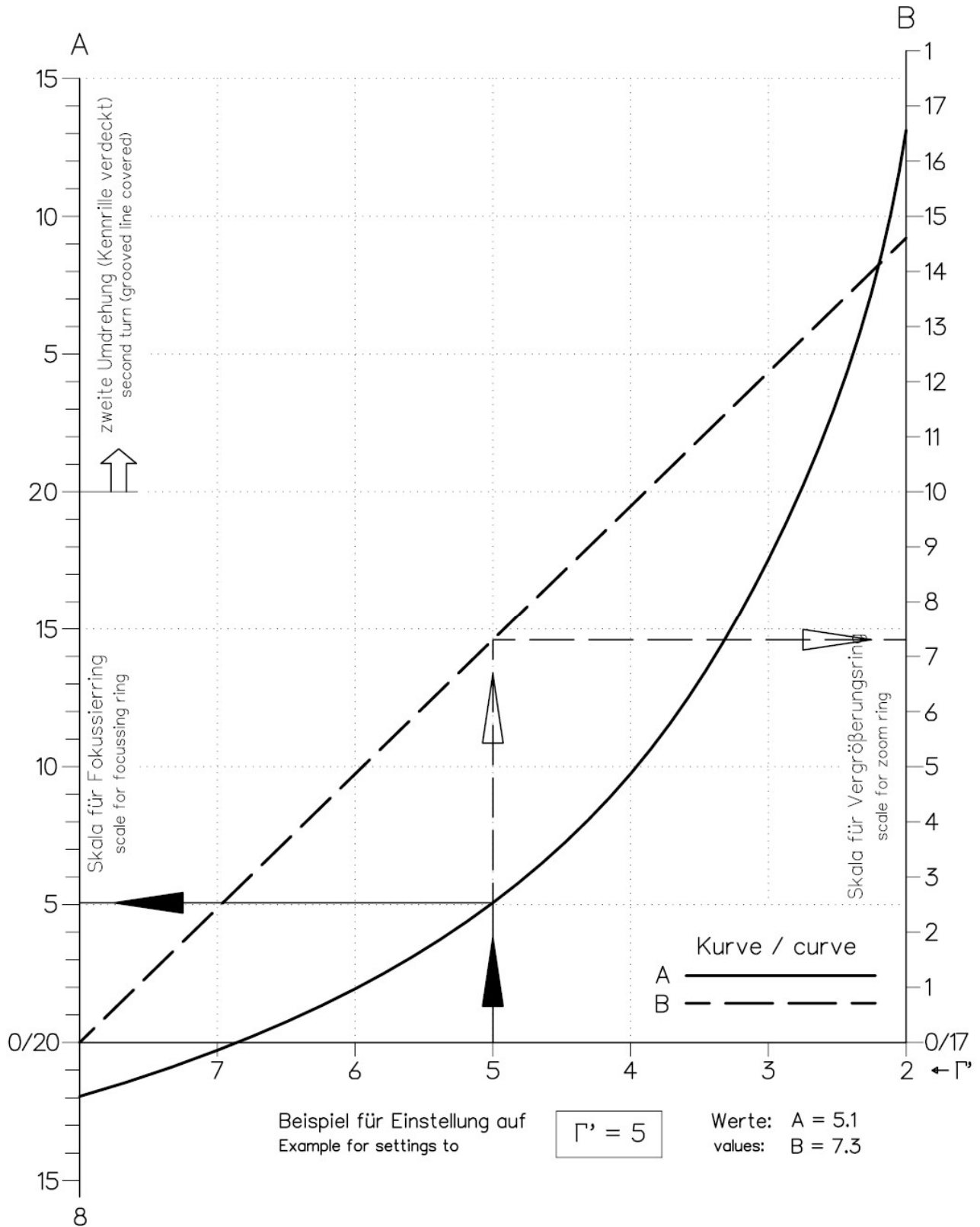
Setting values for a given expansion Γ' , $\lambda = 633\text{nm}$



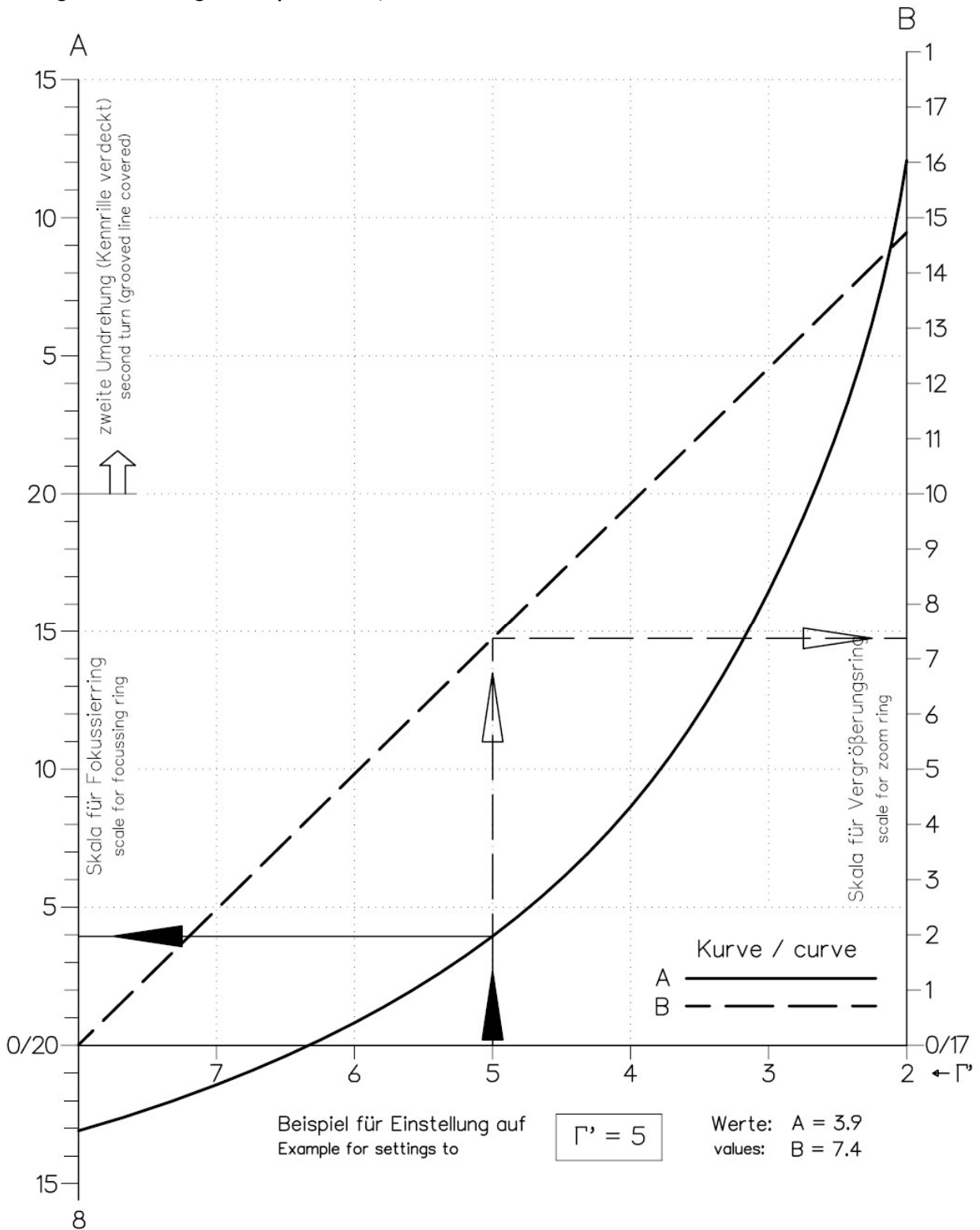
Setting values for a given expansion Γ' , $\lambda = 780\text{nm}$



Setting values for a given expansion Γ' , $\lambda = 830\text{nm}$



Setting values for a given expansion Γ' , $\lambda = 980\text{nm}$



Notes



For technical explanations, see our homepage.