

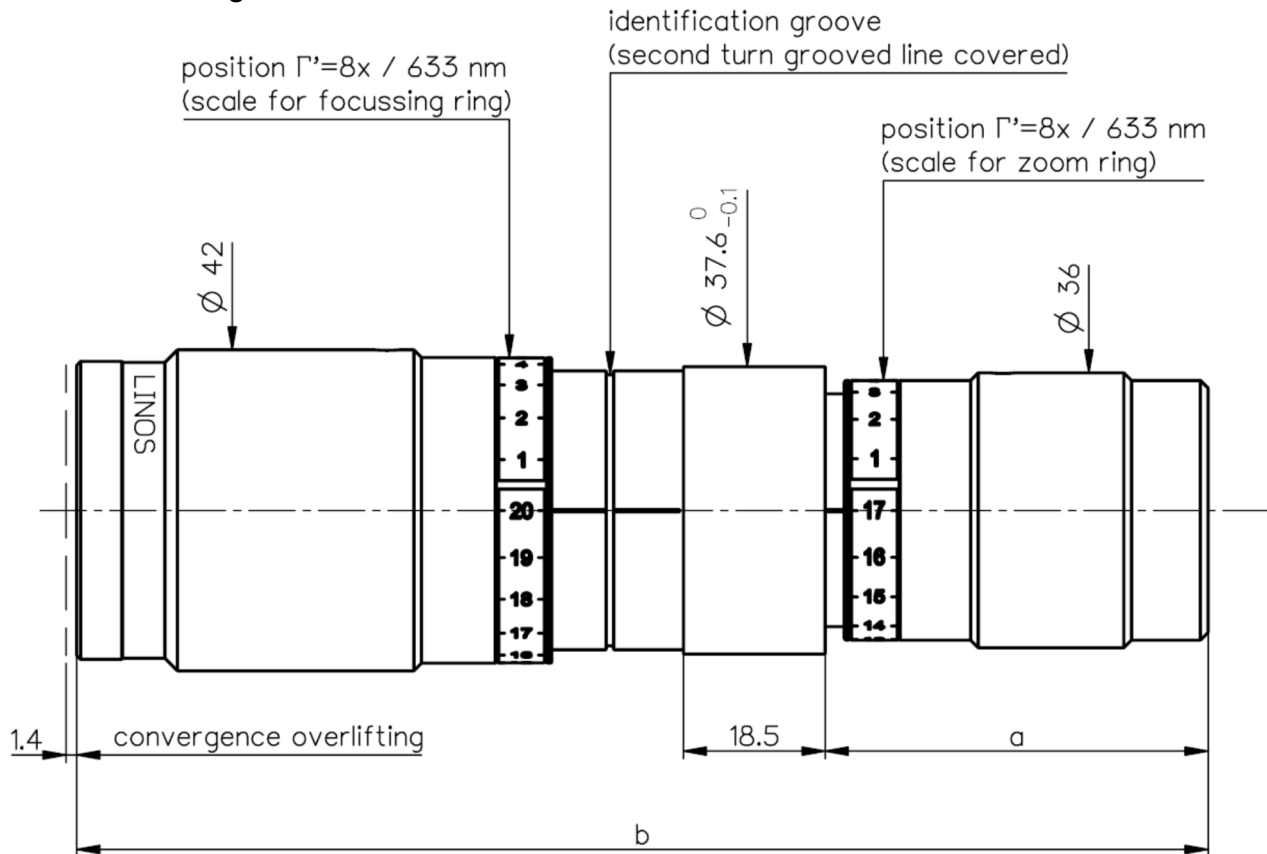
LINOS Beam Expander

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

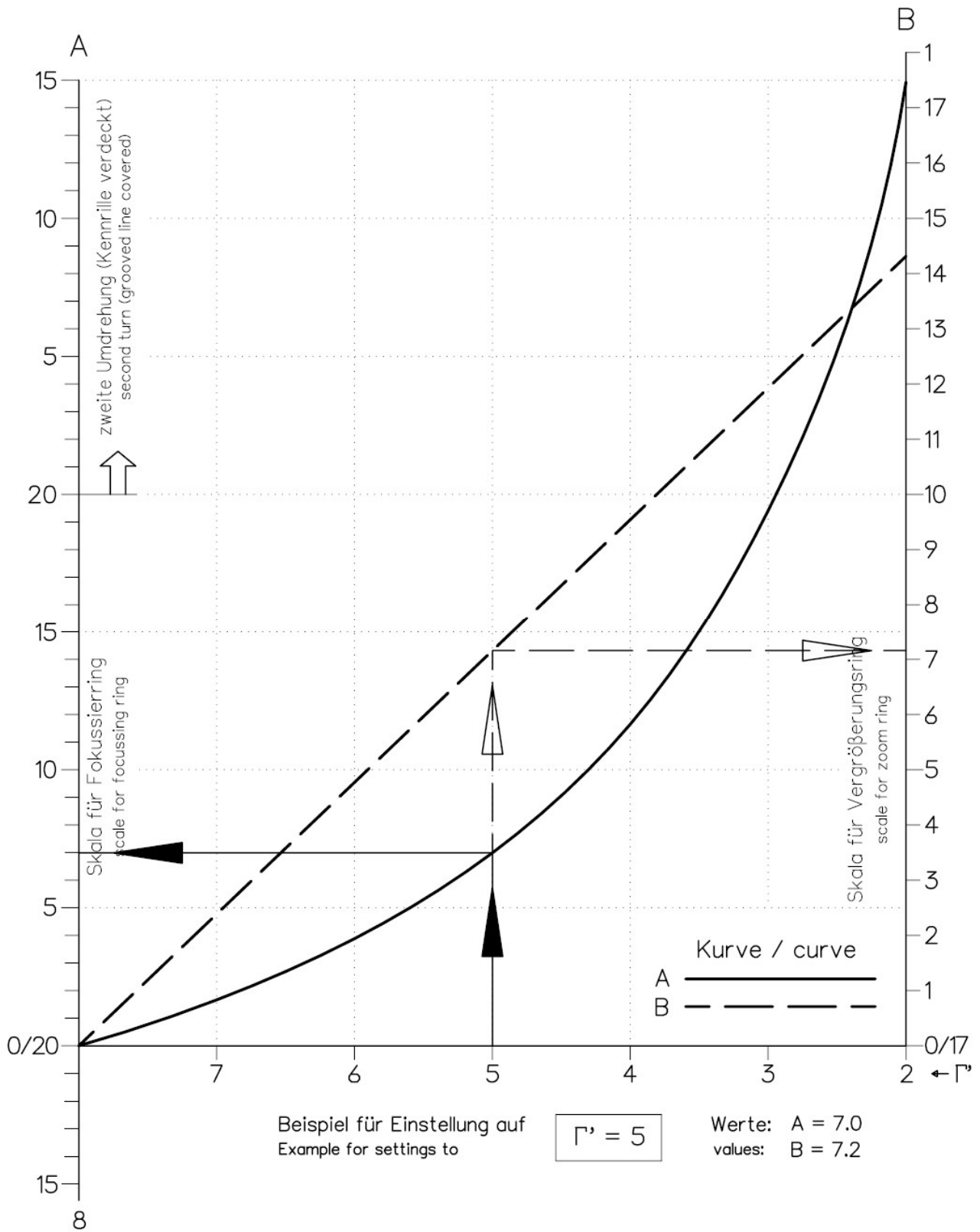
Mechanical drawing



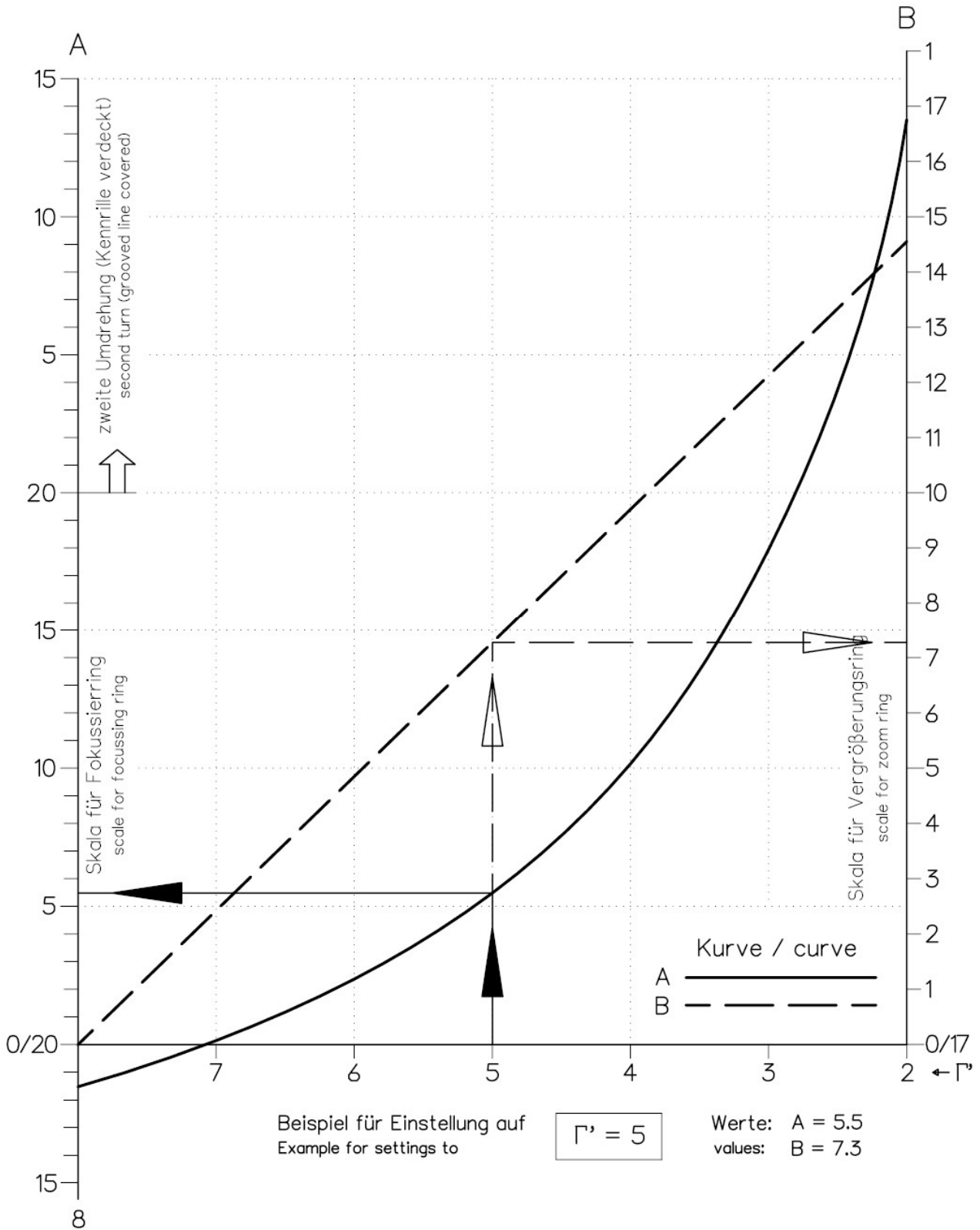
Dimensions without tolerances are nominal values and illustration not to scale

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

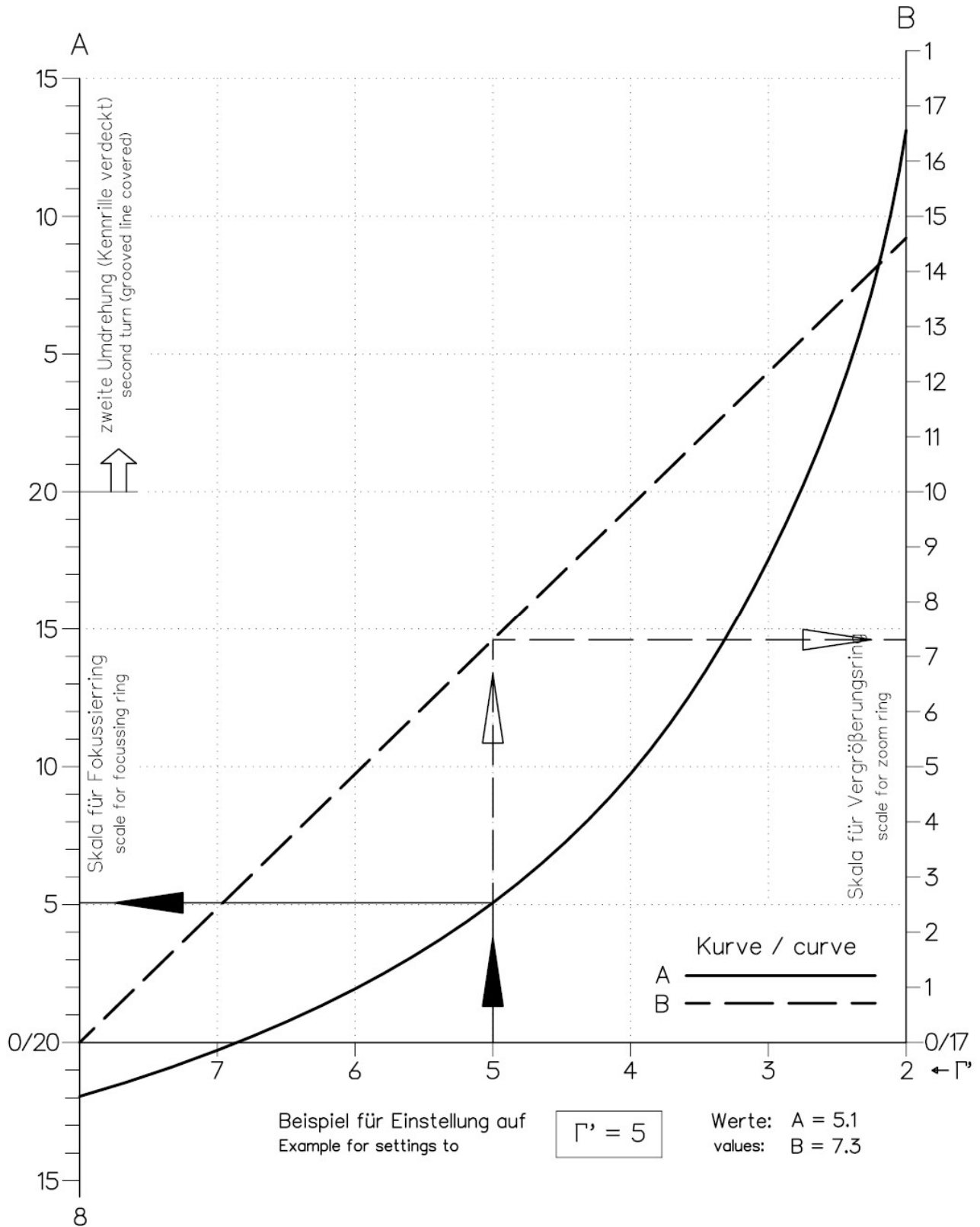
Setting values for a given expansion Γ' , $\lambda = 633\text{nm}$



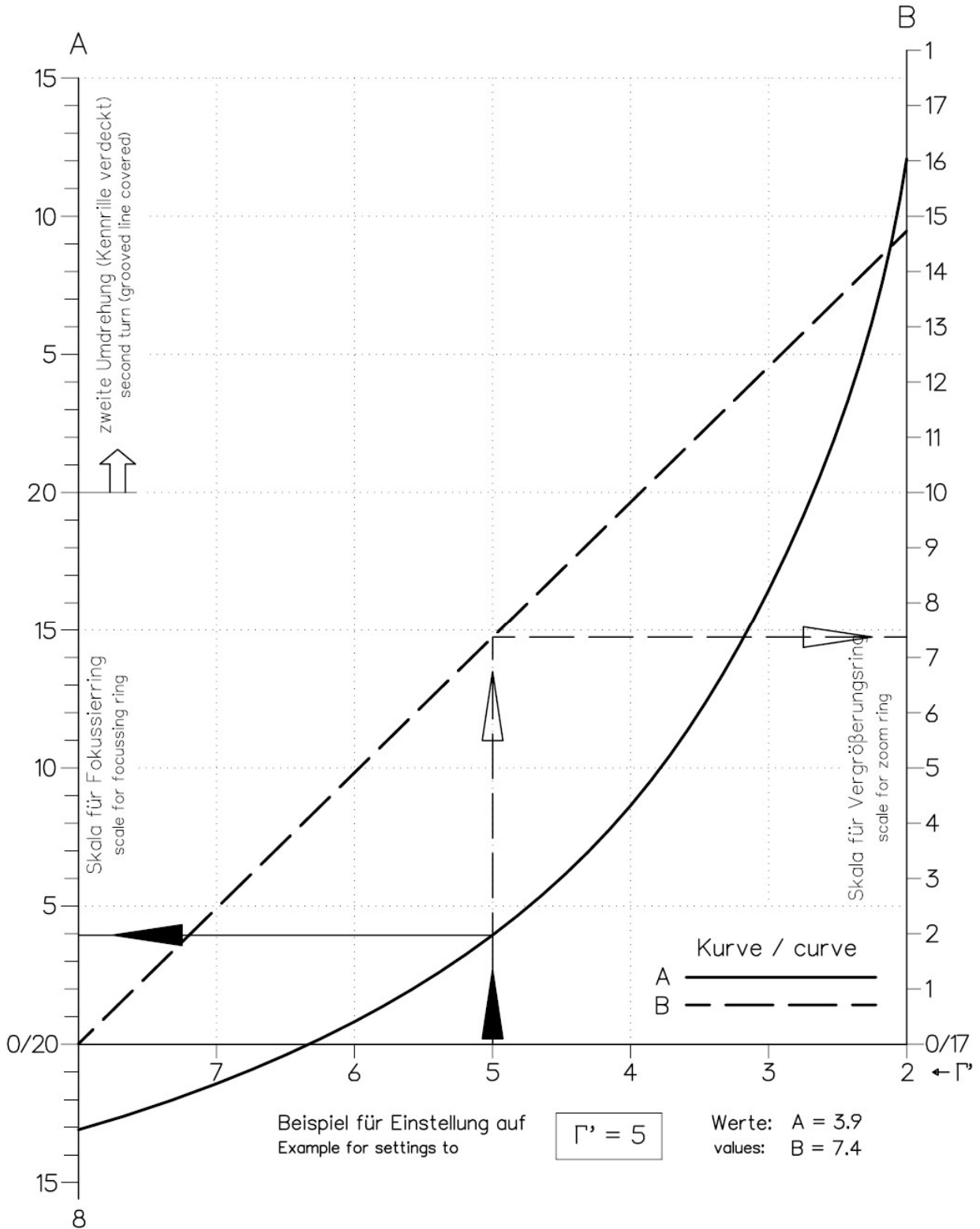
Setting values for a given expansion Γ' , $\lambda = 780\text{nm}$



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.