

LINOS Beam Expander

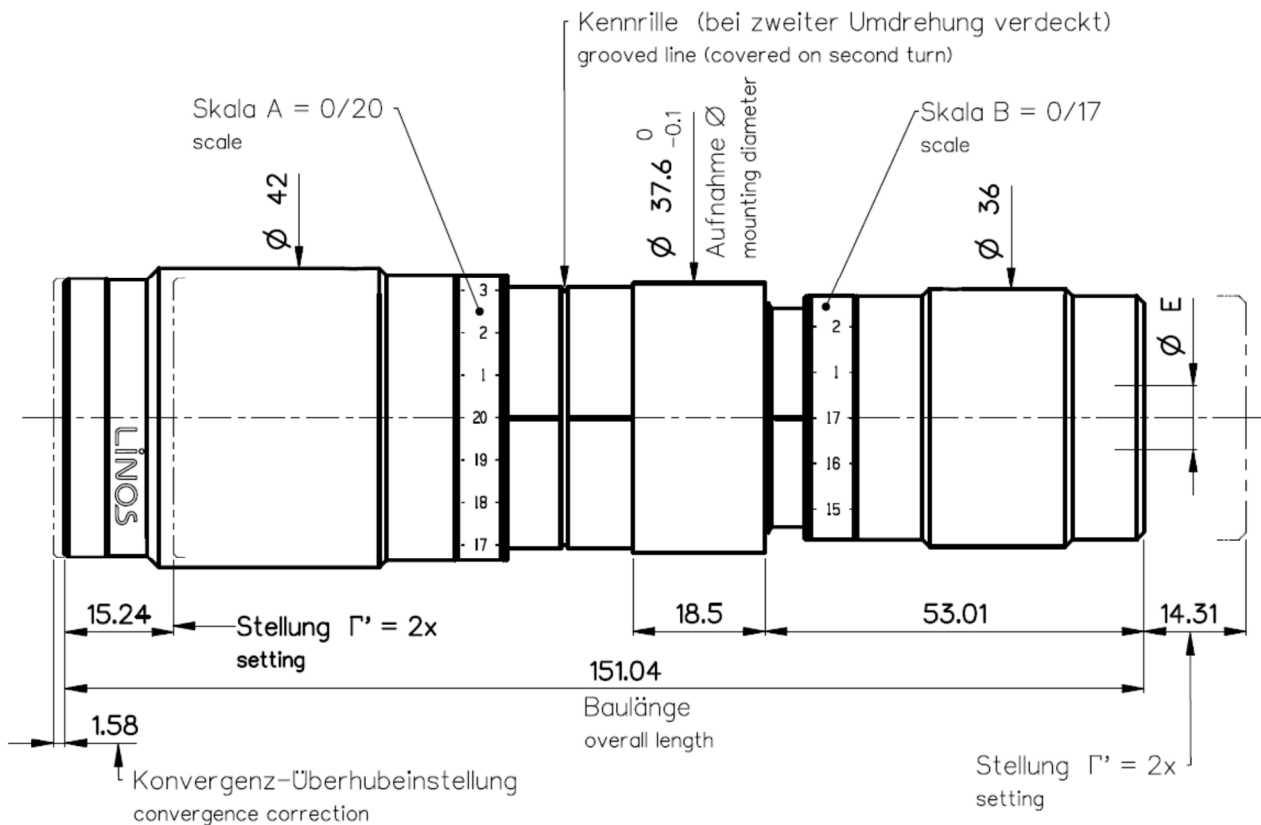
2 - 8x, 1064nm, entrance lens made of fused silica

Part number	4401-359-000-20		
Design wavelength	λ	(nm)	1064
Broadband anti-reflective coating on the lenses	λ	(nm)	1030 - 1080
Expansion	Γ'		2x - 8x
Lens material			Entrance lens made of fused silica, other lenses optical glass
Material			Aluminium, black anodized
Max. entrance beam diameter (1/e ² truncated) for 2.0 ≤ Γ ≤ 3.9	$E_{max} \varnothing$	(mm)	6
Max. entrance beam diameter (1/e ² truncated) for 4.0 < Γ ≤ 8.0	$E_{max} \varnothing$	(mm)	4
LIDT coating @ 1064nm, 9ns, 100Hz		(J/cm ²)	30

Subject to technical change

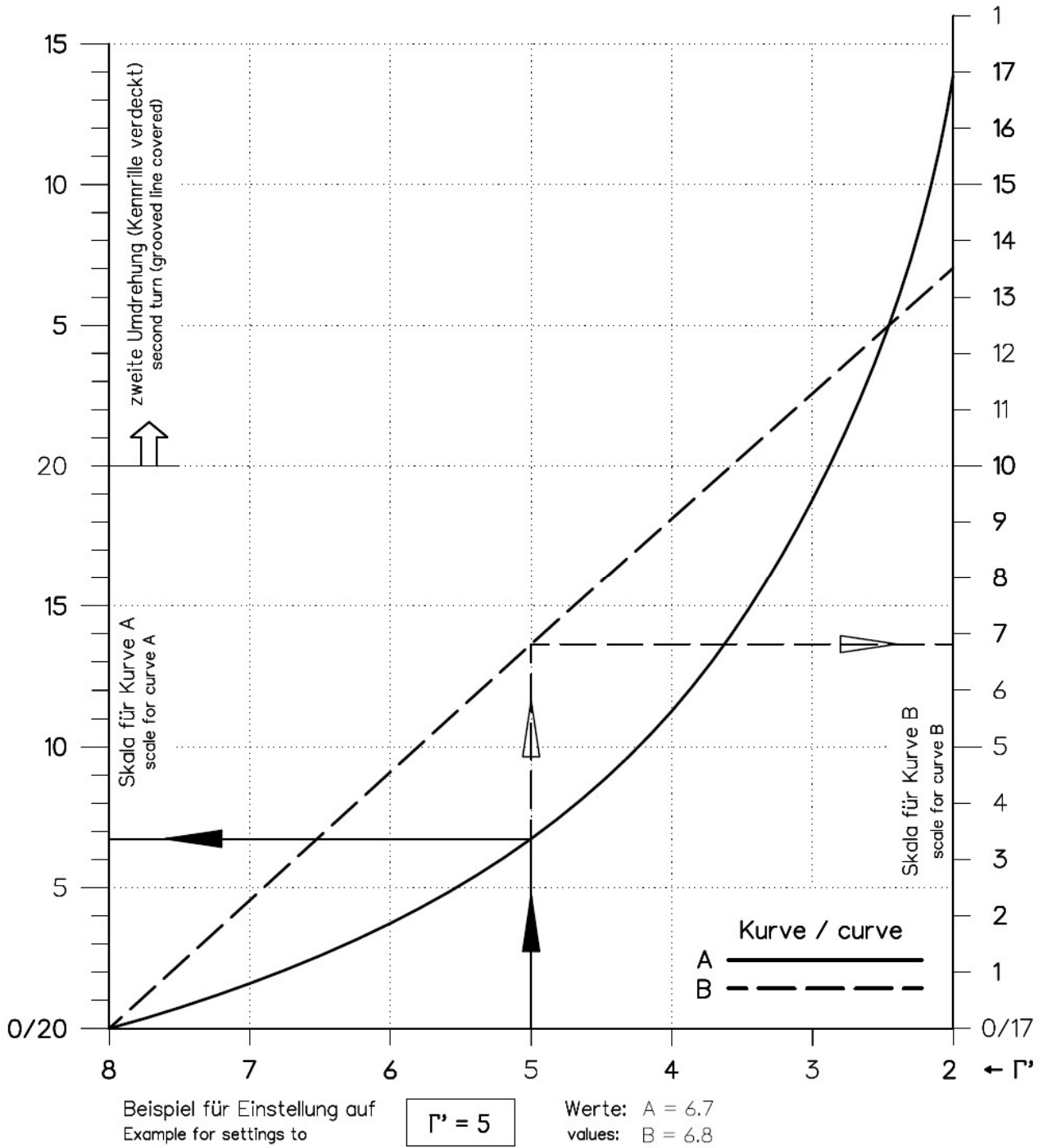
Mechanical drawing

Beam Expander displayed in setting $\Gamma' = 8x$



Dimensions without tolerances are nominal values and illustration not to scale

Setting values for a given expansion Γ'



Notes



For technical explanations, see our homepage.