

TC 4M 09

BI-TELECENTRIC LENS FOR
LARGE DETECTORS UP TO 1.2"
(21.5 MM DIAGONAL)



Part Number	TC 4M 09 (/C /F)	
Magnification		2,000 +/- 3%
Field Of View	(mm)	
with IBIS4-6600		5,3 x 3,9
with KAI2020		5,9 x 4,4
with KAI 2093		7,1 x 4,0
with MI-MV40		8,2 x 6,0
with KAI4011/4021		7,6 x 7,6
Working Distance	(mm)	63,3 +/- 2
Working F-number		22
Telecentricity	(degree)	< 0,1
Distortion	(%)	< 0,1
Field Depth	(mm)	0,3
CTF @50 lp/mm	(%)	> 30
Image side N.A.		0,0225
Object side N.A.		0,0450
Mount		C or F
Length	(mm)	170,0
External diameter	(mm)	28,0
Weight	(g)	520

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL23 illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
Compatible with LTBK36 and LTBK48
illuminators.



Clamping Mechanics:
compatible with CMHO23.



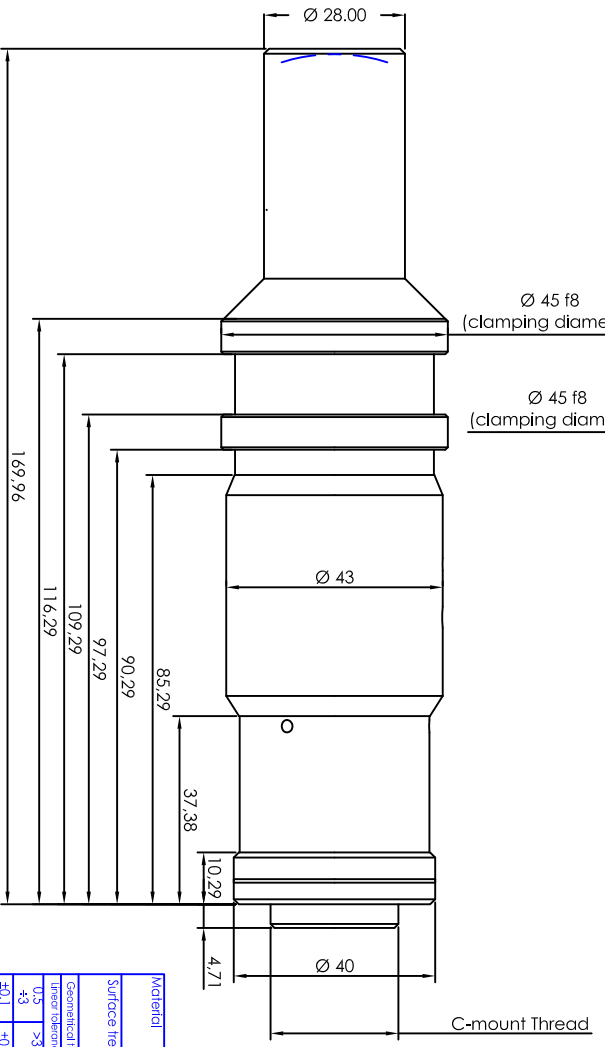
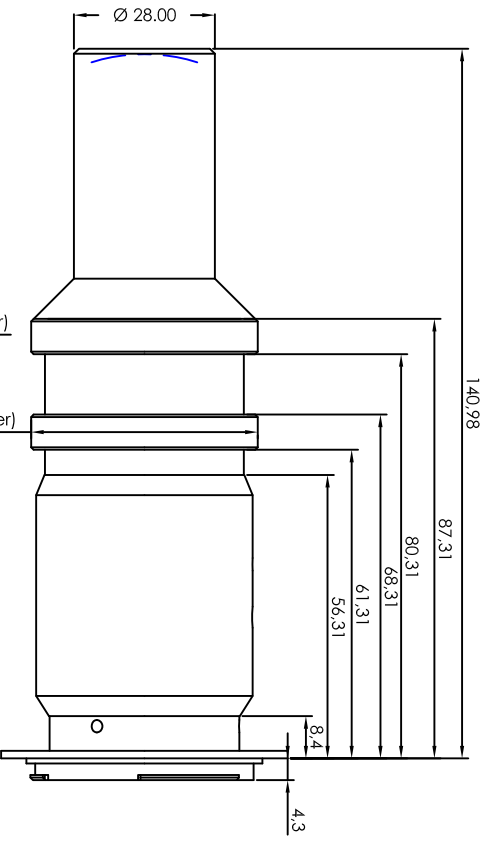
Direct illumination:
compatible with LTRN23 diffusive
anular illuminators.



Filters:
filters can be inserted in the rear part
of the lens in the C-mount version.

MECHANICAL DRAWINGS: see next page >>

Rev. No.	Description	Date	Name
A	Layout	07/06/05	A. Vismara



TC 4M 09/F (F-mount)

TC 4M 09/C (C-mount)

Material		N.A.		Mass		0.52 Kg		Scale		1:1	
Surface treatment		N.A.		Project/Prod./Item/Instrument		Telecentric lens TC 4M 09					
Geometrical tolerance (ISO 2768-2)				Class		K		Undimensioned		1x45°	
Linear tolerance (ISO 2768-2)				Class		m		bevels		R 0.5	
U.S		>3x		≥1000		±2000					
+3		6		120		+400		1000		±4000	
±0.1		±0.1		±0.2		±0.3		±0.5		±0.8	
				±1.2		±2		odil			
Date		07/06/05		Name		A. Vismara		Date		07/06/05	
Draw		07/06/05		Name		A. Vismara		Date		07/06/05	
Checked		X		Name		C. Seccazzari		Date		07/06/05	
Drawing No.		18303-0-A-TC4M09		Sheet		1/1		Reproduction		forbidden without specific authorization	

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