

## TC 4M 04

# Bi-Telecentric Lens for Large Detectors up to 1.2" (21.5 mm diagonal)



part number	TC 4M 04 (/C/F)	
<b>Magnification</b>	4,000 +/- 3%	
<b>Field Of View</b>	(mm)	
with IBIS4-6600		2,6 x 1,9
with KAI2020		3,0 x 2,2
with KAI 2093		3,6 x 2,0
with MI-MV40		4,1 x 3,0
with KAI4011/4021		3,8 x 3,8
<b>Working Distance</b>	(mm)	57,1 +/- 2
<b>Working F-number</b>		22
<b>Telecentricity</b>	(degree)	< 0,1
<b>Distortion</b>	(%)	< 0,1
<b>Field Depth</b>	(mm)	0,1
<b>CTF @50 lp/mm</b>	(%)	> 30
<b>Image side N.A.</b>		0,0225
<b>Object side N.A.</b>		0,0900
<b>Mount</b>		C or F
<b>Length</b>	(mm)	206,4
<b>External diameter</b>	(mm)	28,0
<b>Weight</b>	(g)	530

### ACCESSORIES AND OPTIONS:



#### Collimated/Telecentric illumination:

Compatible with LTCL23 illuminator;  
green light suggested.



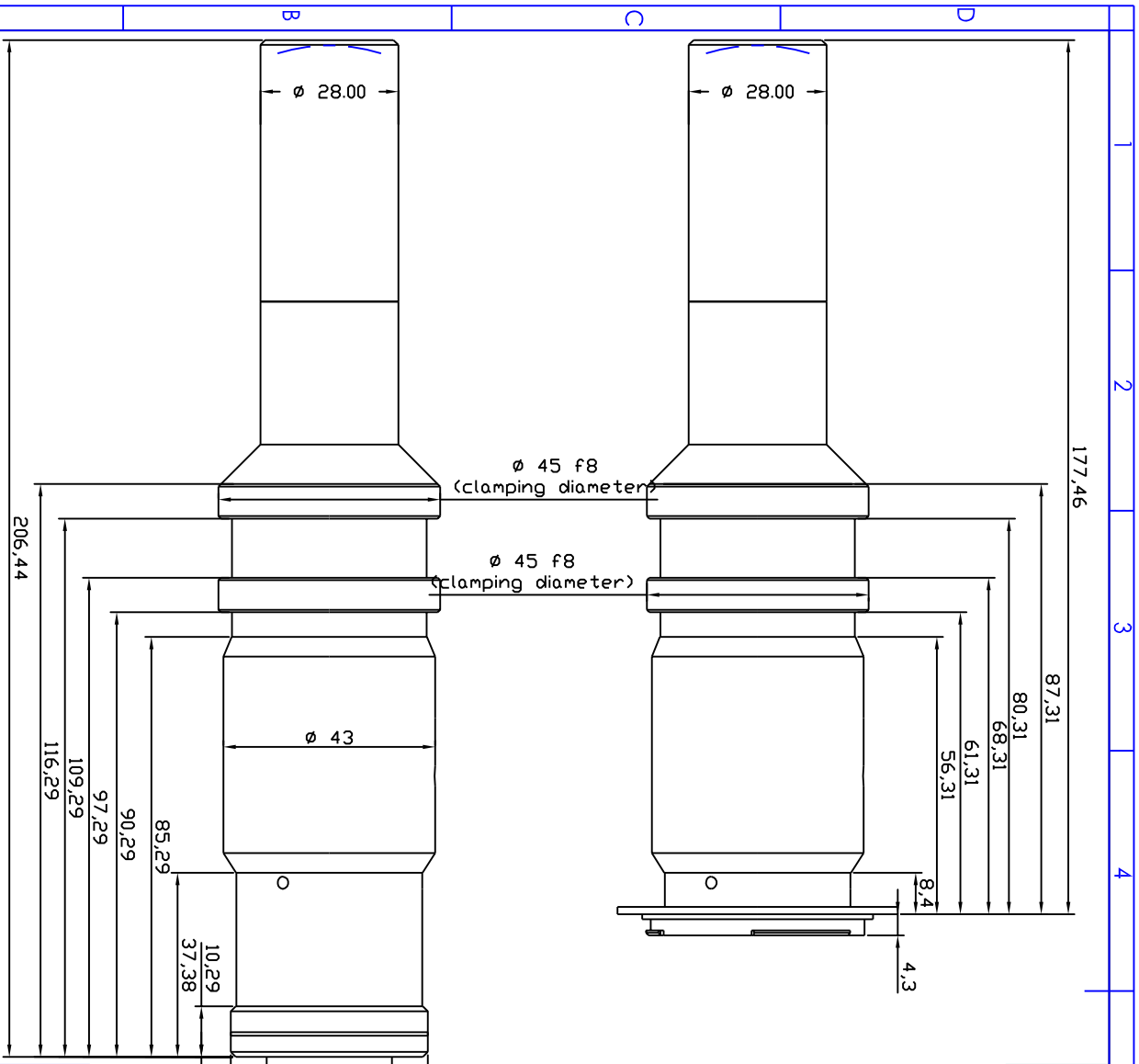
#### Clamping Mechanics:

Compatible with CMH023.

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

# TC 4M 04/F (F-mount)

# TC 4M 04/C (C-mount)



Material	N.A.	Mass	0.53 Kg	Scale	1:1
Surface treatment	N.A.	Project: Product Item / Instrument			

Geometrical tolerance (ISO 27692)		Class	K	Undimensioned	1x45°	Description Assembly
U3	>3x	>120	>400x	>1000	>2000	
Upper tolerance (ISO 27692)		Class	m	bevels	Undimensioned	Drawing No. 18301-0-A-TC4M04
+3	6	30	+400	1000	+4000	
±0.1		±0.1	±0.2	±0.3	±0.5	Sheet 1/1
±0.1		±0.1	±0.3	±0.5	±0.8	

Designed	07/06/05	A. Vismarca	C. Sedqzch	Reproduction forbidden without specific authorization
Drow	07/06/05	A. Vismarca		
Checked	X			

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