

BI-TELECENTRIC LENS FOR DETECTORS UP TO 2/3"



Part Number	TC 23 09	
Magnification		1,000 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		3,6 x 2,7
with 1/3" (4,8 x 3,6) detector		4,8 x 3,6
with 1/2" (6,4 x 4,8) detector		6,4 x 4,8
with 1/1.8" (7,13 x 5,37) detector		7,1 x 5,4
with 2/3" (8,8 x 6,6) detector		8,8 x 6,6
Working Distance	(mm)	63,3 +/- 2
Working F-number		11
Telecentricity	(degree)	< 0,08
Distortion	(%)	< 0,08
Field Depth	(mm)	0,9
CTF @70 lp/mm	(%)	> 25
Image side N.A.		0,0450
Object side N.A.		0,0450
Mount		C
Length	(mm)	65,0
External diameter	(mm)	28,0
Weight	(g)	120

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.

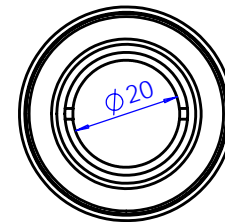
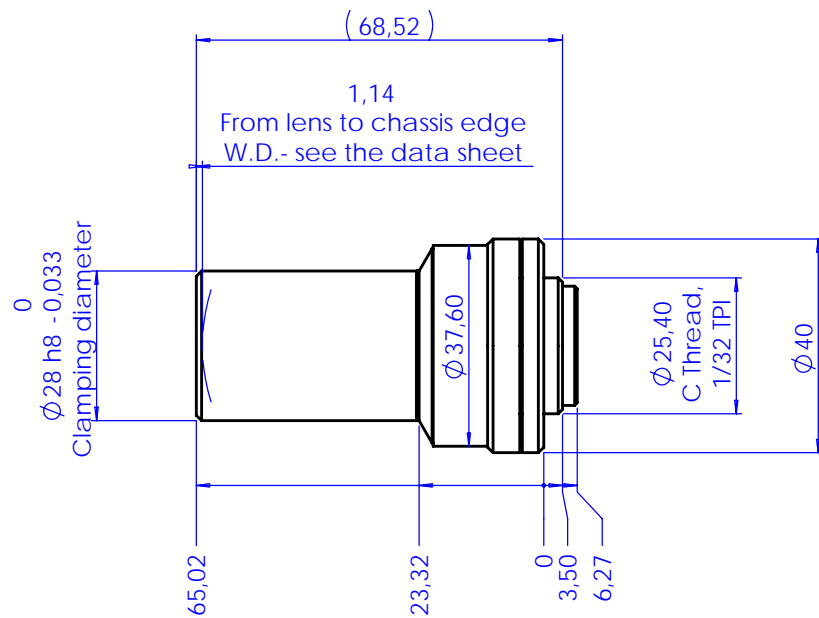


Direct illumination:
compatible with LTRN23 diffusive
anular illuminators.



Filters:
not available.

Rev No.	Description	Date	Name
A	Layout	07/06/05	A.Vismara
B	Redesign: inox C thread, brand ring	25/09/08	A.Vismara



Material	N.A.		Mass	0.160 kg	Scale	1:1	
Surface treatment	N.A.		Project-Prod.Item/Instrument Telecentric lens 23 09				
Geometrical tolerance (ISO 2768-2)		Class	K	Undimensioned bevels	1x45°	Description ASSEMBLY	
Linear tolerance (ISO 2768-2)		Class	m	Undimensioned radii	R 0.5		
0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000
+3	6	30	120	+400	1000	+2000	+4000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
www.opto-engineering.com		Date	Name	Designed	07/06/05	A.Vismara	Draw No.
		Draw	25/09/08	A.Vismara			02009-0-B
		Checked	X	C. Sedazzari			Sheet
						1/1	
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