



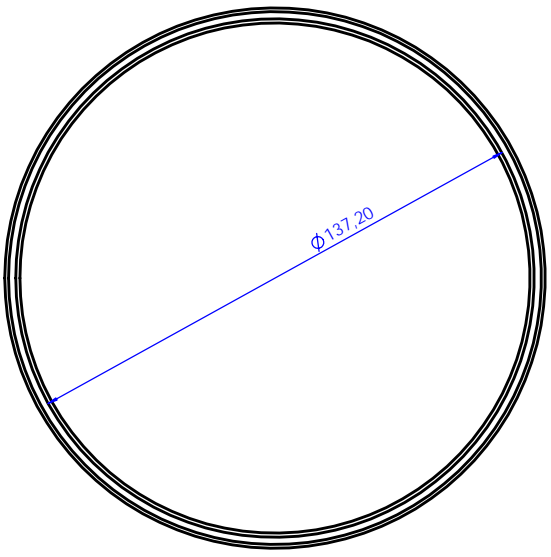
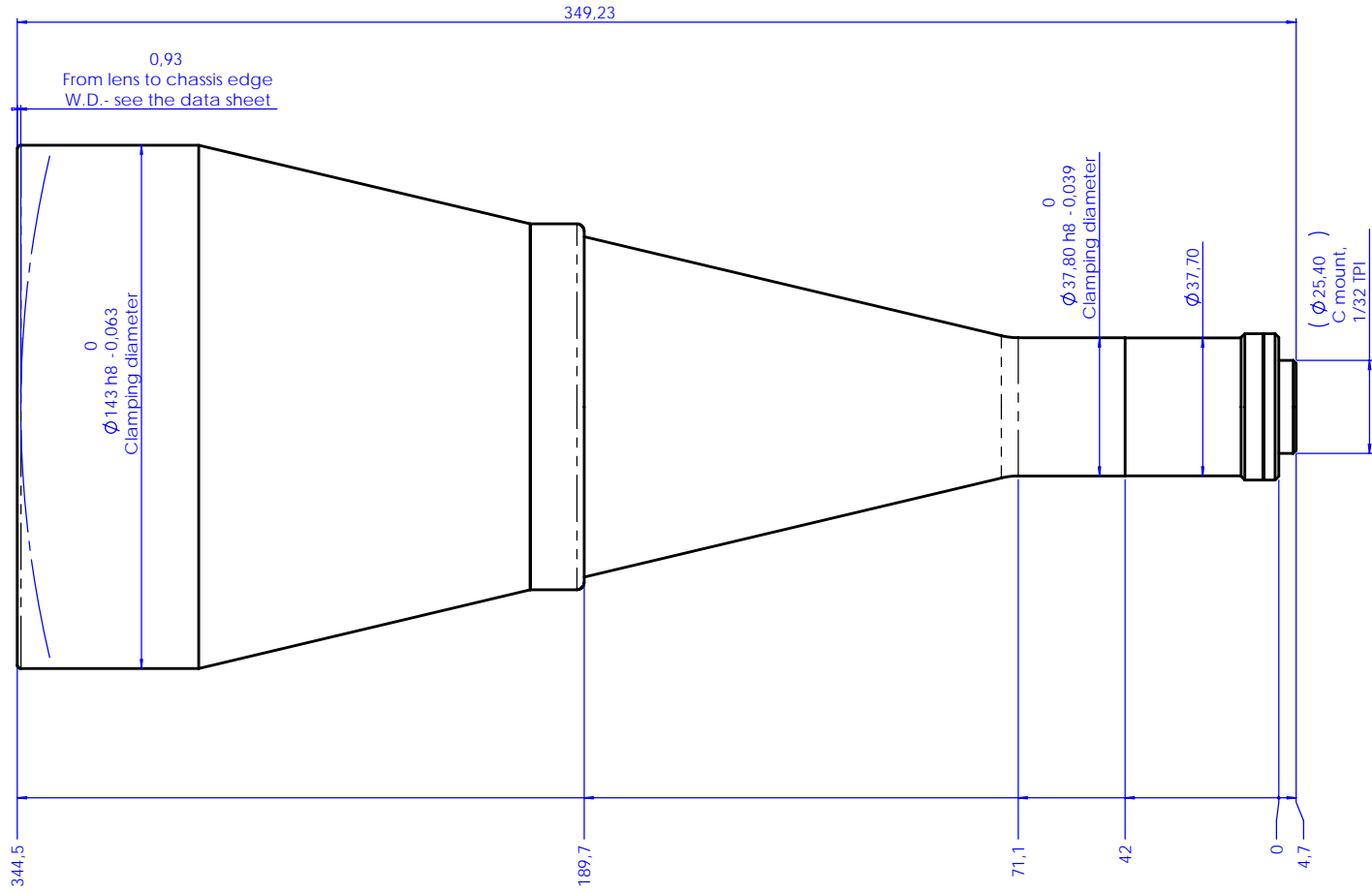
BI-TELECENTRIC LENS FOR 2/3" TO 1/4" MATRIX DETECTORS

Model:	TC 23 85		
Magnification (X):	0.10		
Object Field (mm):	1/4" (3,6 x 2,7):	34.8	x 26.1
	1/3" (4,8 x 3,6):	46.4	x 34.8
	1/2" (6,4 x 4,8):	61.8	x 46.4
	1/1.8" (7,13 x 5,37):	68.9	x 51.9
	2/3" (8,8 x 6,6):	85.0	x 63.8
Working Distance (mm):	280.6 +/- 8		
Working F-number:	8		
MTF @70 lp/mm (%):	>45		
Field Depth (mm):	60.0	@	F/ 8
Image side N.A.:	0.062		
Object side N.A.:	0.007		
Telecentricity (degree):	<0,08		
Distortion (%):	<0,08		
Mount:	C		
Length (mm):	345		
Maximum external diameter (mm):	143		
Weigh (g):	2500		

NOTES:

- 1) The inner aperture diaphragm can be supplied on request with smaller apertures in order to achieve a larger Field Depth
- 2) Custom flanges and mechanical interfaces can be provided on request
- 3) Can be coupled to a collimated light illuminator like LT CL 96

Rev No.	Description	Date	Name
A	First light	12/09/06	A.Vismara



Material	N.A.	Mass	2.5 kg	Scale	1:1
Surface treatment	N.A.	Project-Prod.Item/Instrument Telecentric lens 23 85			
Geometrical tolerance (ISO 2768-2)		Class	K	Undimensioned Bevels	1x45°
Linear tolerance (ISO 2768-2)		Class	m	Undimensioned radii	R 0.5
0.5	>3-	>6-	>30-	>120	>400-
-3	6	30	120	400	1000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8
		Class	m	±2	±1.2
www.opto-engineering.com		Date	Name		
Designed		12/09/06	A.Vismara		
Draw		12/09/06	A.Vismara		
Checked		x	C.Sedazzari		
Drawing No.		02151-0-A			
Sheet		1/1			
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