

## TC 16M 144

# 0,24x Telecentric Lens for 35mm-type and line Detectors (43 mm diagonal)



part number	TC 16M 144	
<b>Magnification</b>		0,245 +/- 3%
<b>Field Of View</b>	(mm)	
with 36 x 24 mm detector		147,1 x 98,1
with 4k x 10 µm detector		167,1
with 4k x 7 µm detector		117,0
with 2k x 14 µm detector		117,0
with 2k x 10 µm detector		83,6
<b>Working Distance</b>	(mm)	398,0 +/- 12
<b>Working F-number</b>		16
<b>Telecentricity</b>	(degree)	< 0,08
<b>Distortion</b>	(%)	< 0,2
<b>Field Depth</b>	(mm)	19,0
<b>CTF @50 lp/mm</b>	(%)	> 40
<b>Image side N.A.</b>		0,031
<b>Object side N.A.</b>		0,008
<b>Mount</b>		F
<b>Length</b>	(mm)	597,8
<b>External diameter</b>	(mm)	200,0
<b>Weight</b>	(g)	7000

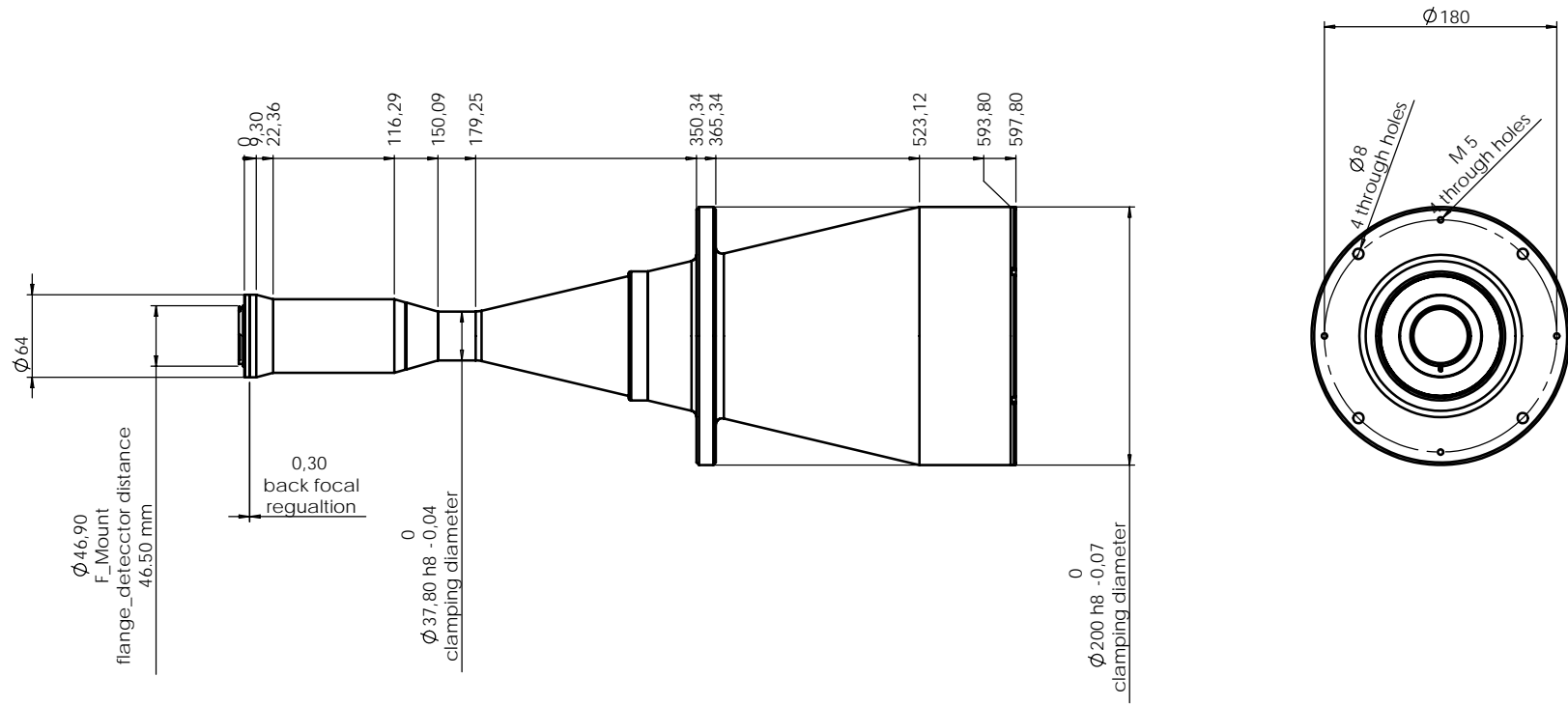
### ACCESSORIES AND OPTIONS:



#### Collimated/Telecentric illumination:

Compatible with LTCL144 illuminator;  
green light suggested.

Rev No.	Description	Date	Name
A		27/01/10	



Material		Mass	7000 gr.	Scale	1:4
Surface treatment		Project-Prod Item/Instrument TC16M144			
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
					±1.2
					±2
www.opto-engineering.com		Date	Name	Drawing No.	Sheet
		Designed	27/01/10	19371-0-A	1/1
		Draw	27/01/10		
		Checked	X		
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