

**TC 12 16**

# 0,385x Bi-Telecentric lens for detectors up to 1/2"



part number		TC 12 16
<b>Magnification</b>		0,385 +/- 3%
<b>Field Of View</b>	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		9,4 x 7,0
with 1/3" (4,8 x 3,6) detector		12,5 x 9,4
with 1/2" (6,4 x 4,8) detector		16,6 x 12,5
with 1/1.8" (7,13 x 5,37) detector		18,5 x 14,0
with 2/3" (8,8 x 6,6) detector		diam. = 17,2
<b>Working Distance</b>	(mm)	45,3 +/- 1
<b>Working F-number</b>		8
<b>Telecentricity</b>	(degree)	< 0,1
<b>Distortion</b>	(%)	< 0,08
<b>Field Depth</b>	(mm)	5,0
<b>CTF @70 lp/mm</b>	(%)	> 40
<b>Image side N.A.</b>		0,0620
<b>Object side N.A.</b>		0,0240
<b>Mount</b>		C
<b>Length</b>	(mm)	93,0
<b>External diameter</b>	(mm)	37,7
<b>Weight</b>	(g)	260

Possible vignetting at the image corners with 1/1.8" detectors

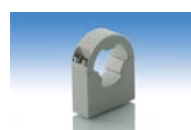
Opto Engineering® testing procedures have been checked by TÜV Rheinland TÜVRheinland®

**ACCESSORIES AND OPTIONS:**



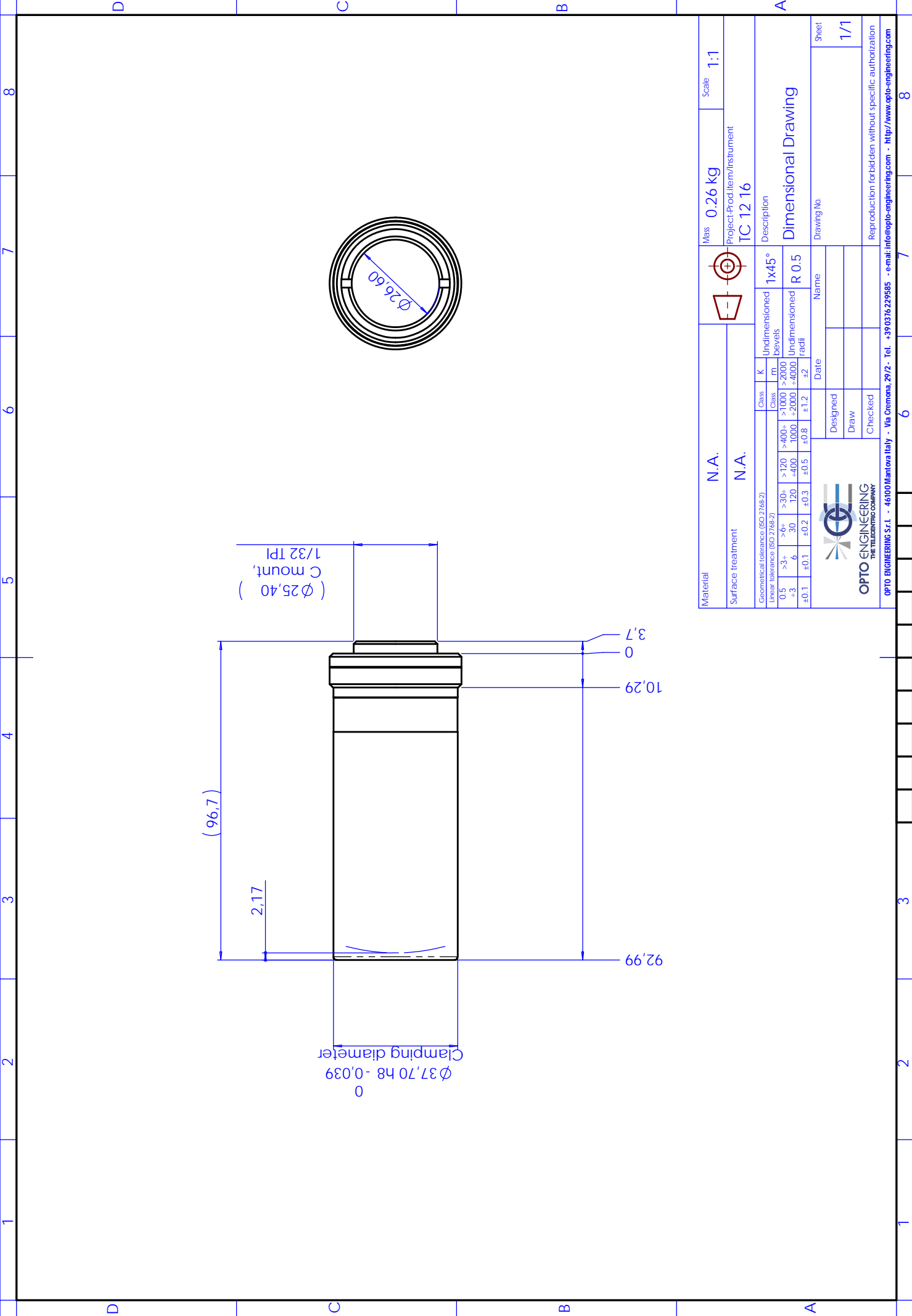
**Collimated/Telecentric illumination:**

Compatible with LTCL16 illuminator;  
green light suggested.



**Clamping Mechanics:**

Compatible with CMH016.



Material	N.A.		Mass	0.26 kg	Scale	1:1		
Surface treatment	N.A.		Project-Prod.Item/Instrument	TC 12 16				
Geometrical tolerance (ISO 2768-2)	Class	K	Description					
Linear tolerance (ISO 2768-2)	Class	m	Dimensional Drawing					
0.5	>30-	>120	>400+	>1000	>2000	1x45°		
>6+	30	120	+400	1000	+2000	Undimensioned		
-3	6	30	-400	1000	+4000	Undimensioned		
+0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	rad
Date			Drawing No.					
Designed			Name					
Draw			Date					
Checked			Sheet					
			1/1					
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