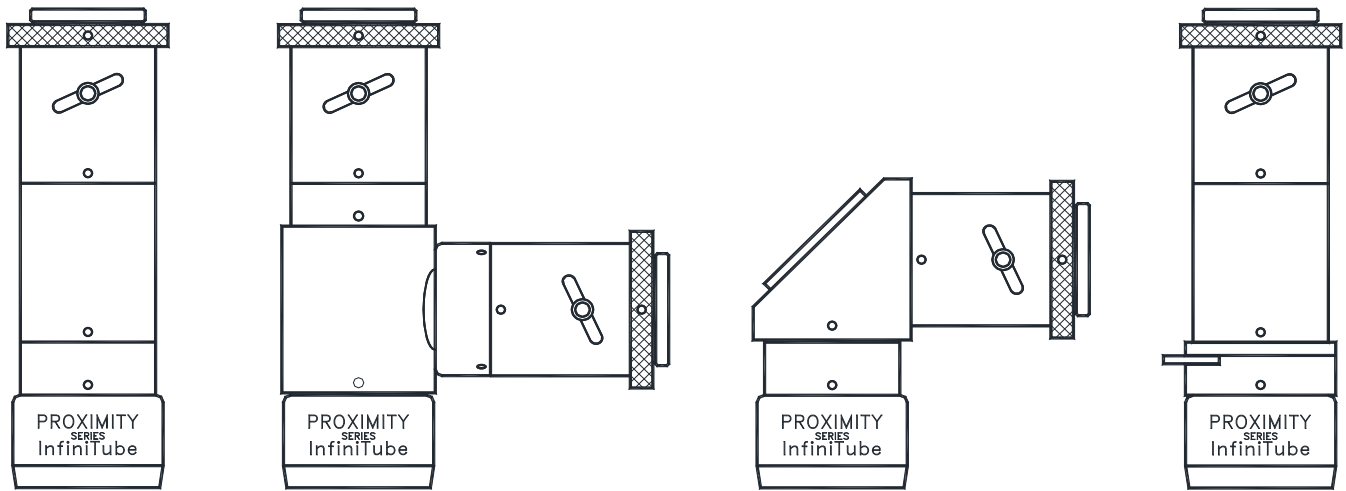
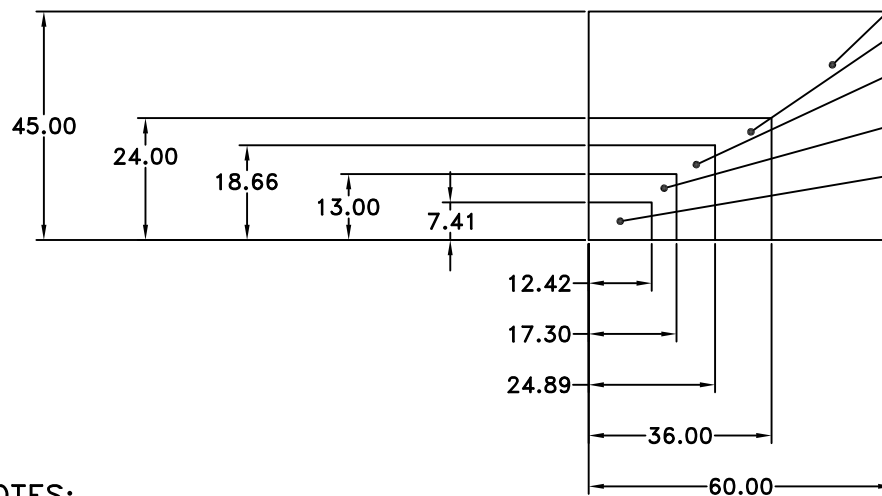
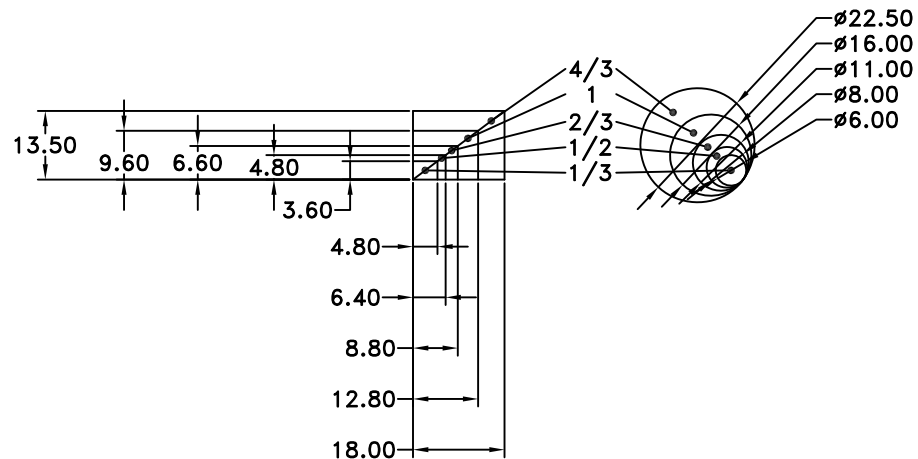


# PROXIMITY SERIES: InfiniTube™ In-Line Assembly™ Standard Series





REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

NOTES:  
1. SENSOR SIZE & IMAGE CIRCLE  
IN MILLIMETERS.

ALL DIM ARE mm  
[inches] AND ARE FOR  
REFERENCE ONLY AND  
ARE SUBJECT TO  
CHANGE.

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**SENSOR SIZE AND IMAGE CIRCLE**

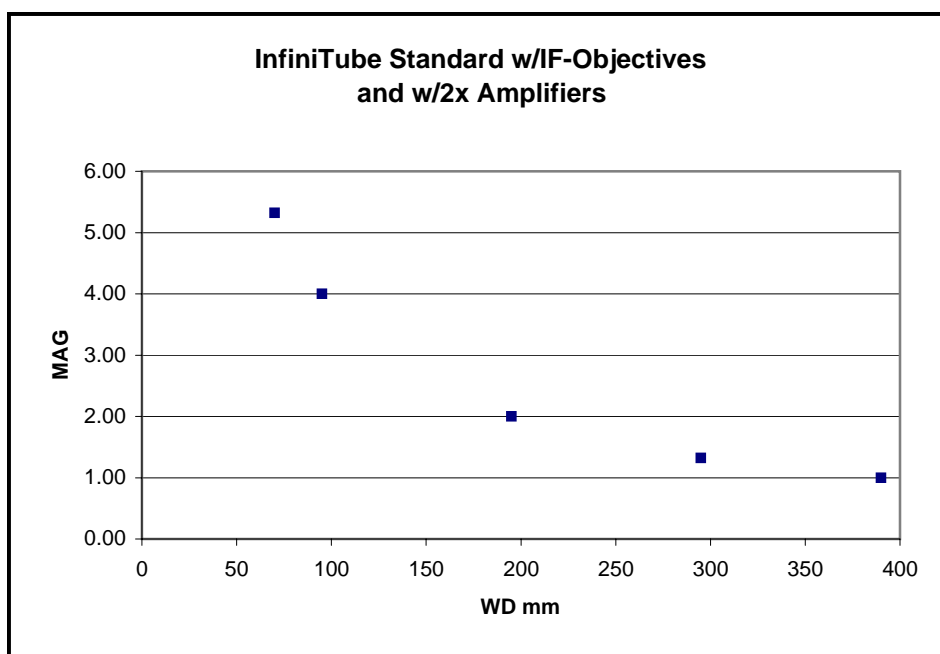
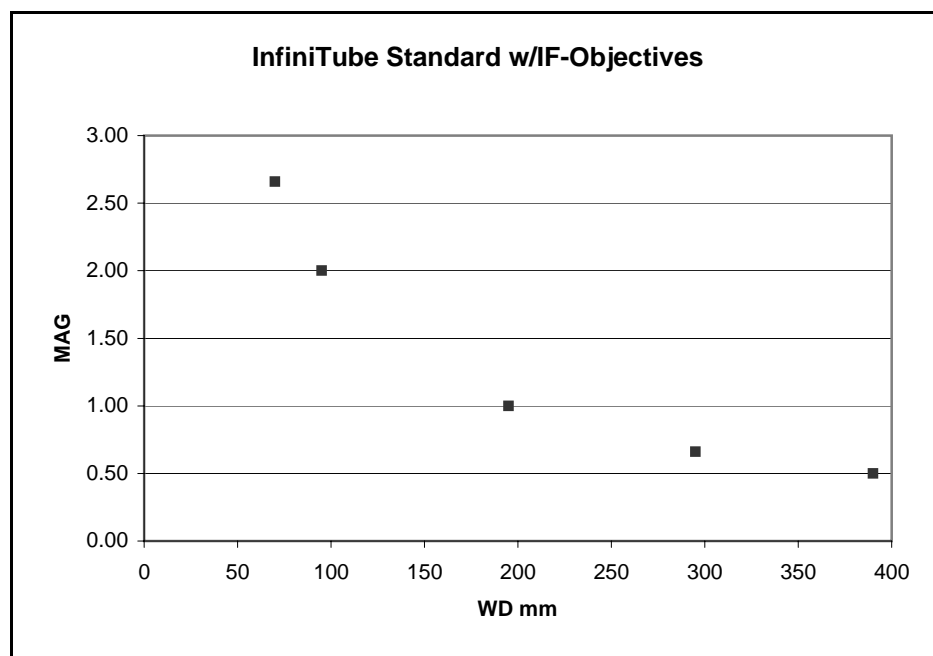
Date: 08/27/21 MB

Modified:

SIZE	FSCM NO.	DWG NO.	REV
B		-	-
SCALE	1:1	-	SHEET 1 OF 1

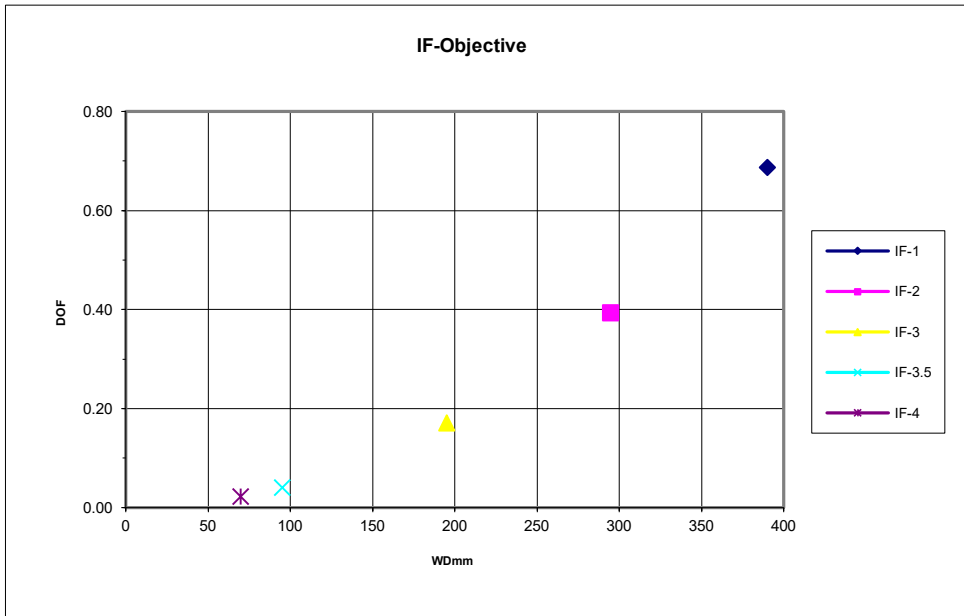
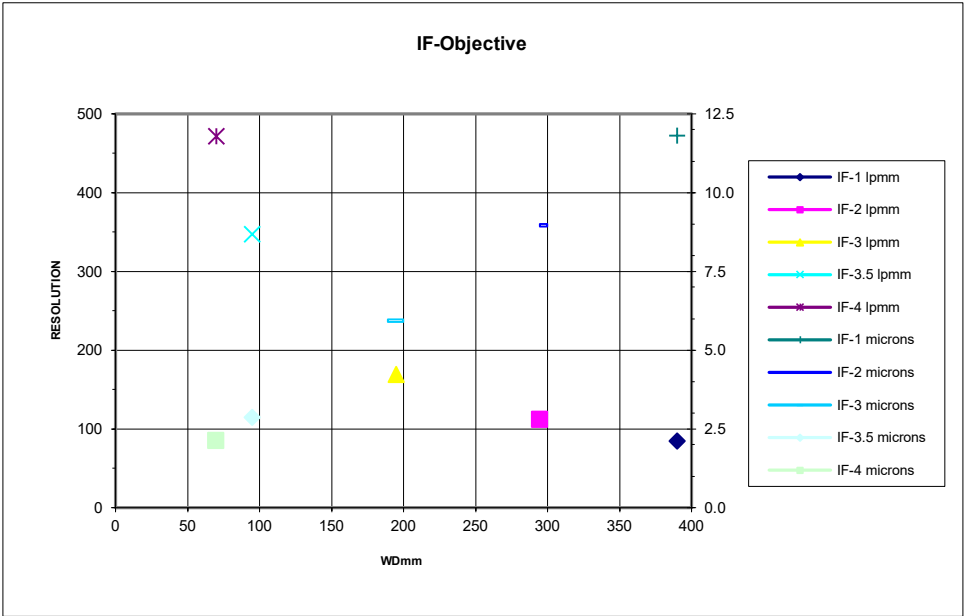
## INFINITUBE STANDARD w/IF-OBJECTIVES

InfiniTube Standard		IF-1	IF-2	IF-3	IF-3.5	IF-4
Direct	WD mm	390	295	195	95	70
	Mag	0.50	0.66	1.00	2.00	2.66
	FOV 1/2"	12.80	9.70	6.40	3.20	2.41
	FOV 1/3"	9.60	7.27	4.80	2.40	1.80
2x Amplifier	WD mm	390	295	195	95	70
	Mag	1.00	1.32	2.00	4.00	5.32
	FOV 1/2"	6.40	4.85	3.20	1.60	1.20
	FOV 1/3"	4.80	3.64	2.40	1.20	0.90



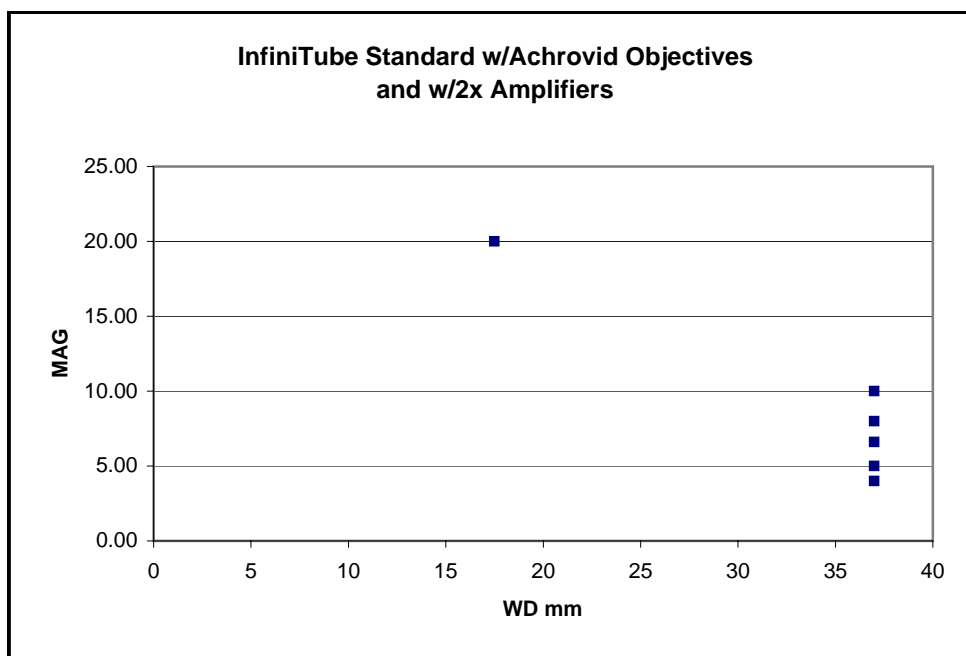
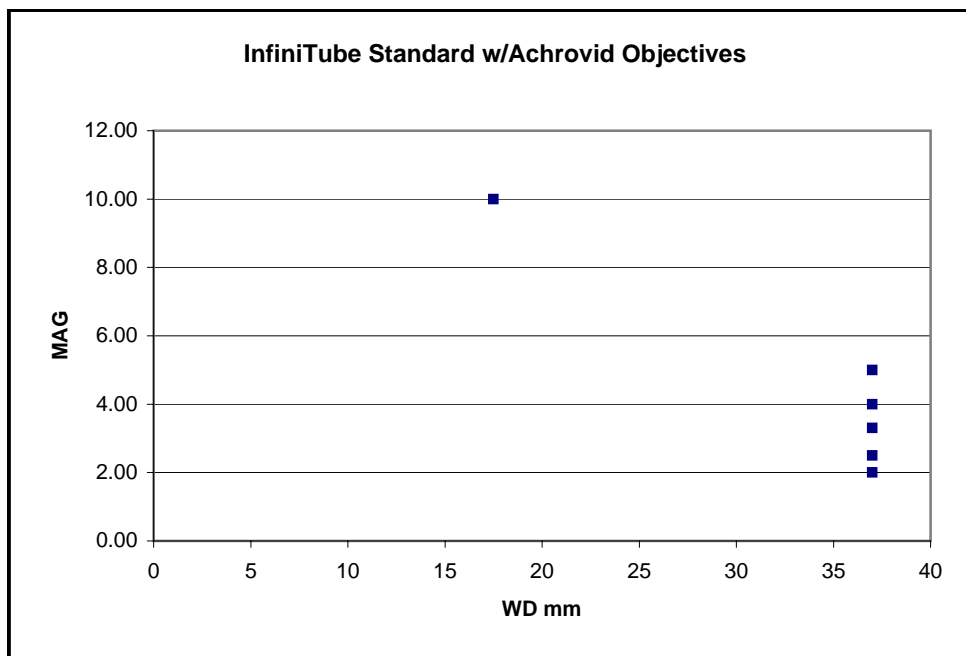
# IF-Objective OPTICAL RESOLUTION DATA

IF-Objectives	IF-1	IF-2	IF-3	IF-3.5	IF-4
WDmm	390	295	195	95	70
MAG	0.50	0.66	1.00	2.00	2.66
NA	0.028	0.037	0.056	0.116	0.157
Resolution (lpmm)	85	112	169	347	471
Resolution (microns)	11.8	8.9	5.9	2.9	2.1
DOFmm	0.69	0.39	0.17	0.04	0.022



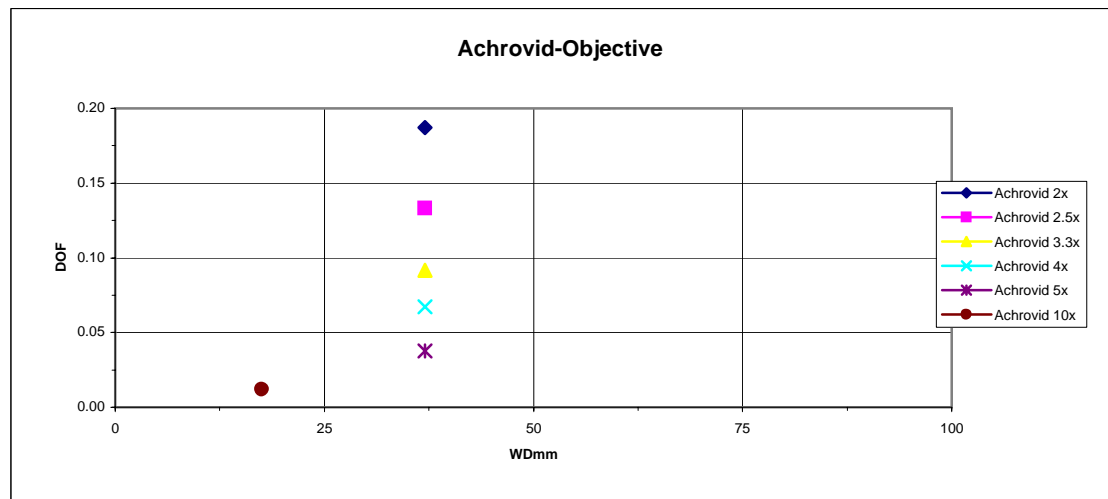
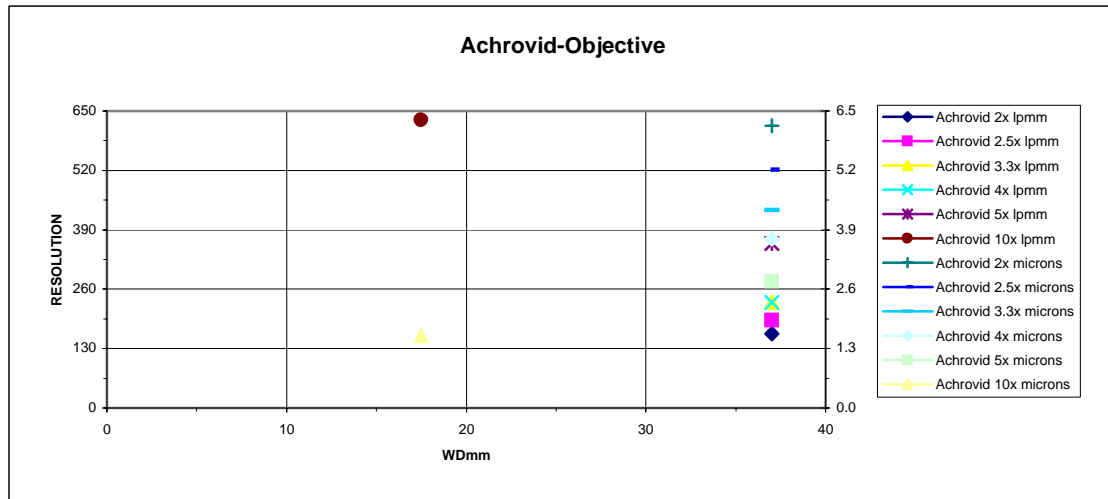
## INFINTUBE STANDARD w/ACHROID OBJECTIVES

InfiniTube Standard		Achrovid 2x	Achrovid 2.5x	Achrovid 3.3x	Achrovid 4x	Achrovid 5x	Achrovid 10x
Direct	WD mm	37	37	37	37	37	17.5
	Mag	2.00	2.50	3.30	4.00	5.00	10.00
	FOV 1/2"	3.20	2.56	1.94	1.60	1.28	0.64
	FOV 1/3"	2.40	1.92	1.45	1.20	0.96	0.48
2x Amplifier	WD mm	37	37	37	37	37	17.5
	Mag	4.00	5.00	6.60	8.00	10.00	20.00
	FOV 1/2"	1.60	1.28	0.97	0.80	0.64	0.32
	FOV 1/3"	1.20	0.96	0.73	0.60	0.48	0.24

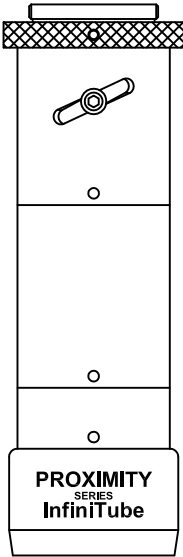


## Achroid-Objectives OPTICAL RESOLUTION DATA

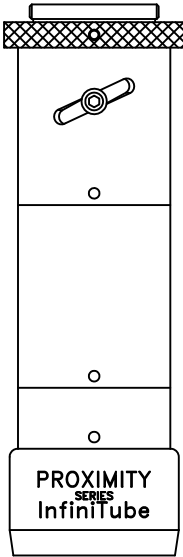
Achroid-Objectives	2x	2.5x	3.3x	4x	5x	10x
WDmm	37	37	37	37	37	17.5
MAG	2.00	2.50	3.30	4.00	5.00	10.00
NA	0.054	0.064	0.077	0.09	0.12	0.21
Resolution (lpmm)	162	192	231	270	360	630
Resolution (microns)	6.2	5.2	4.3	3.7	2.8	1.6
DOFmm	0.19	0.13	0.09	0.07	0.04	0.01



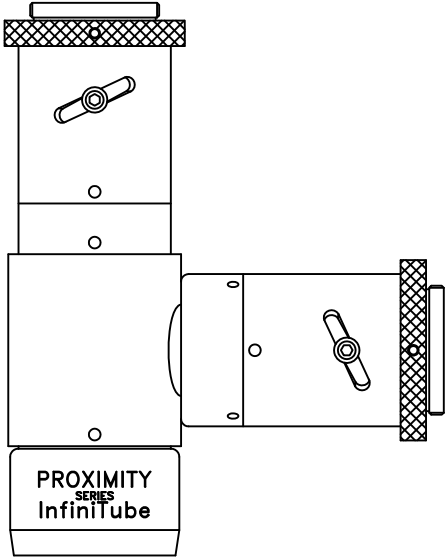
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



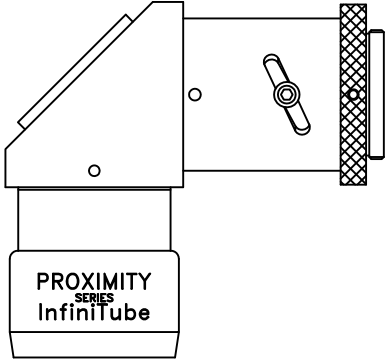
INFINITUBE  
STANDARD




INFINITUBE-Z  
1.25x

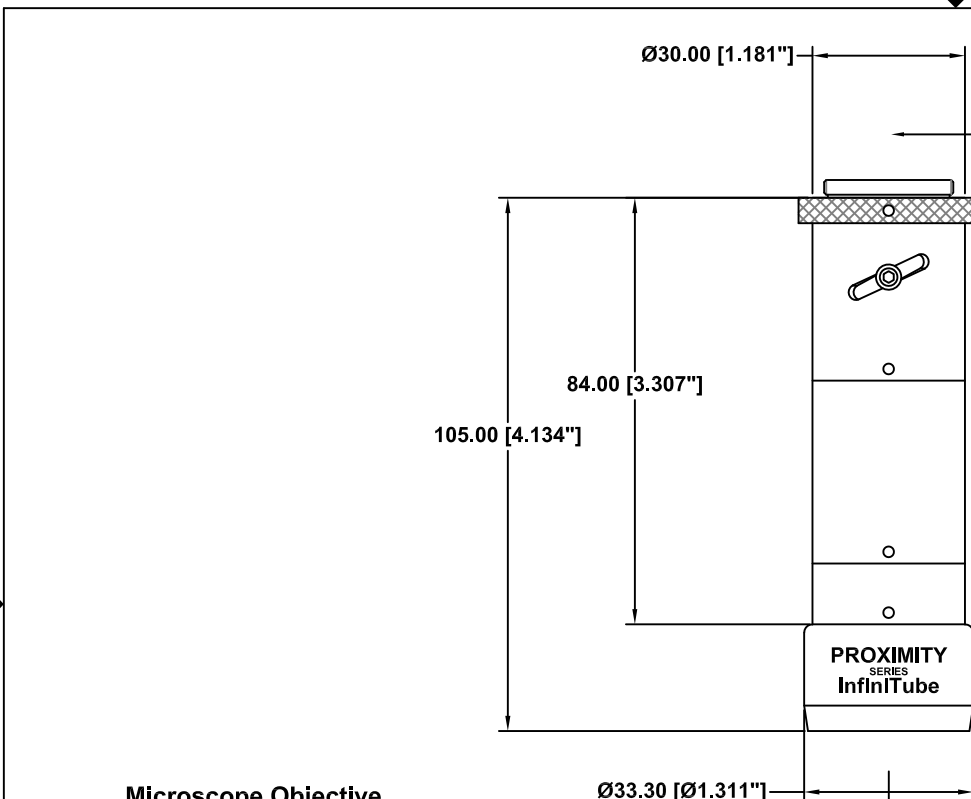


INFINITUBE  
DUAL-PORT 1x



INFINITUBE  
RIGHT ANGLE

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	<b>INFINITUBE STANDARD TYPES</b>			
Date: 04/09/01 MB	SIZE B	FSCM NO.	DWG NO. -	REV E
Modified: 05/12/05 JM	SCALE NONE	-		SHEET 1 OF 1

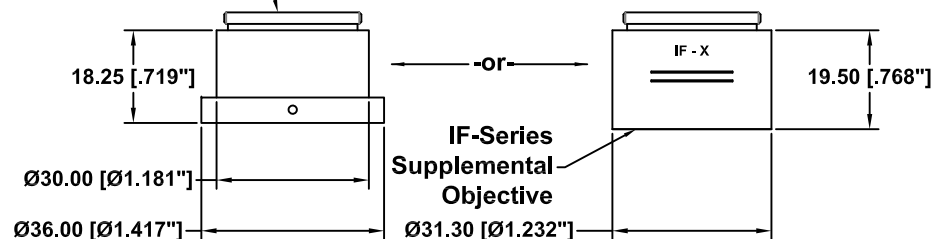


Standard  
Model



Optional C-Clamp

Microscope Objective  
Adapter Achrovid/Mitutoyo  
and for RMS (eg., Olympus UIS,  
Mitutoyo or Nikon CF160)



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Date: 07/22/98 MS

Modified: 09/16/21 KD

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### INFINITUBE ADAPTER OPTIONS

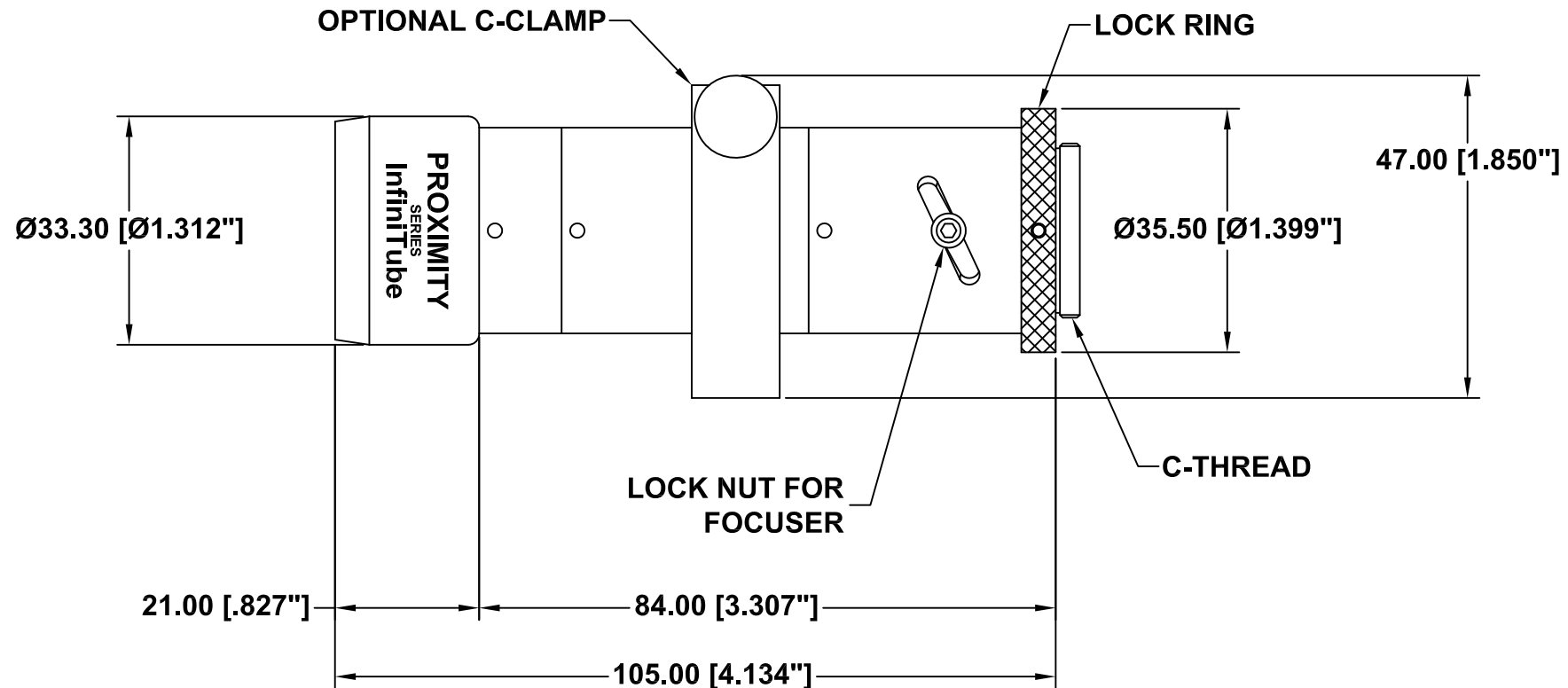
SIZE B	FSCM NO.	DWG NO.	REV F
SCALE NONE	SHEET 1 of 1		

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED





REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



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[inches] AND ARE FOR  
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CHANGE.

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**INFINITUBE™ STANDARD 1x**

Date: 06/07/01 MB		SIZE A	FSCM NO.	DWG NO.	REV C
Modified: 07/27/04 MB		SCALE	NONE	SHEET	1 of 1



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# REVISIONS

ZONE

REV

DESCRIPTION

DATE

APPROVED

OPTIONAL C-CLAMP

SCREW FOR  
FOCUSER

LOCK RING

Ø33.30 [Ø1.312"]

PROXIMITY  
SERIES  
Infinitube

47.00 [1.850"]

Ø35.50 [Ø1.399"]

C-THREAD

21.00 [.827"]

72.00 [2.835"]

12.00 [.472"]

15.00 [.591"]

36.00 [1.417"]

156.00 [6.142"]

ALL DIM ARE mm  
[inches] AND ARE FOR  
REFERENCE ONLY AND  
ARE SUBJECT TO  
CHANGE.

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**INFINITUBE™ STANDARD 1.5x**

Date: 06/15/20 MB

SIZE  
A

FSCM NO.

DWG NO.

**210 215**

REV  
-

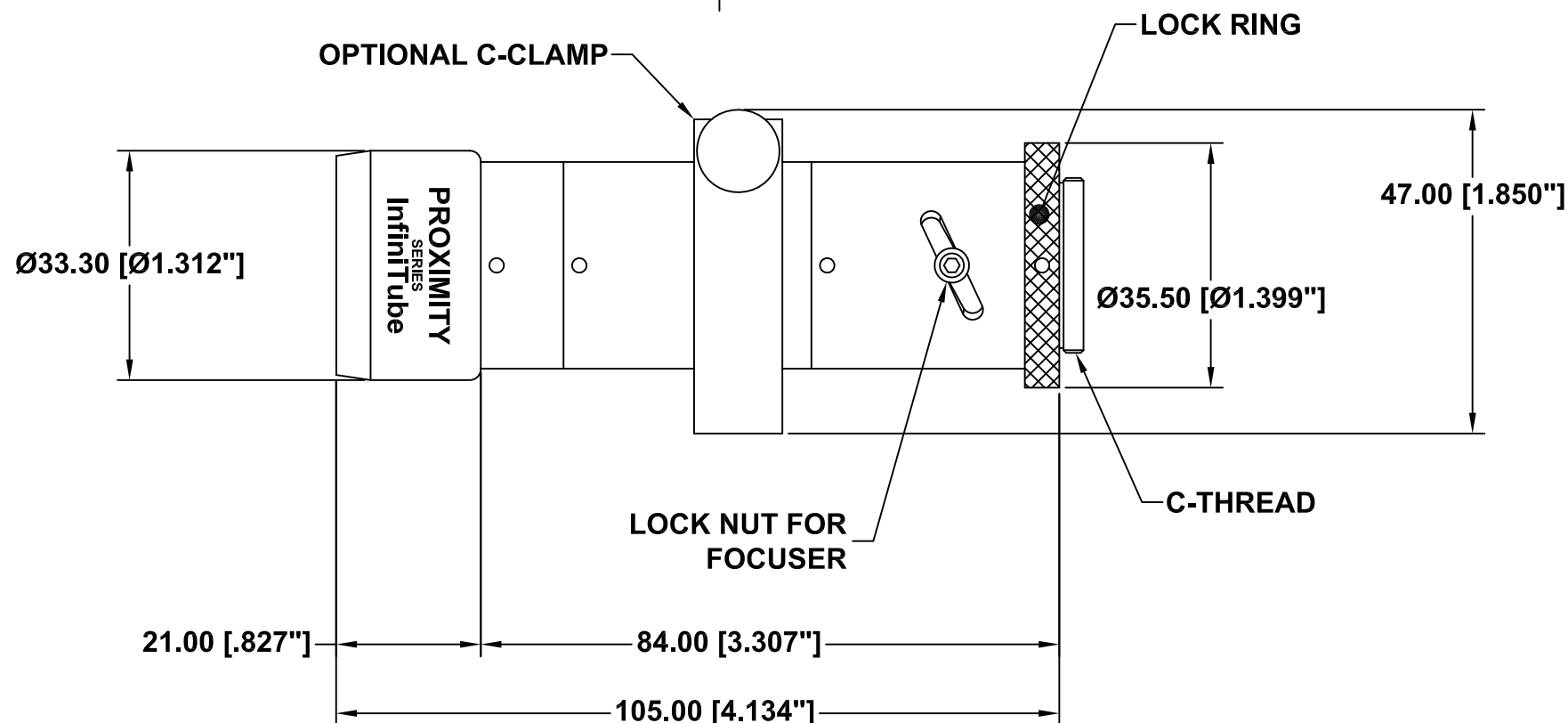
Modified:

SCALE **NONE**

SHEET **1 of 1**



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



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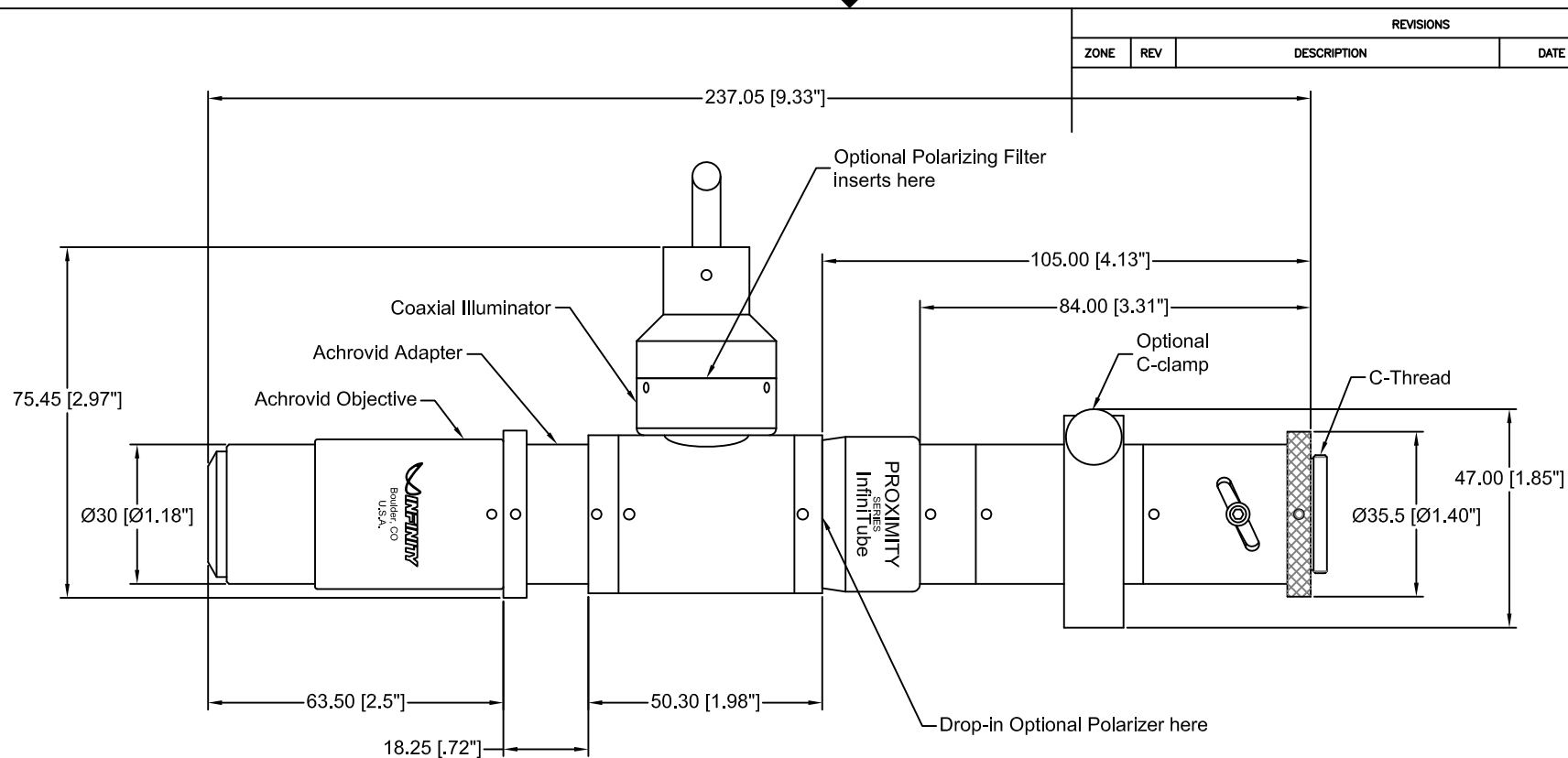
Date: 06/15/20 MB

Modified:

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**INFINITUBE™ Z**  
(PROVIDES 1.25x FACTOR W/ZEISS ICS OBJECTIVES)

SIZE A	FSCM NO.	DWG NO. <b>210 244</b>	REV -
SCALE <b>NONE</b>	SHEET <b>1 of 1</b>		



InfinitiTube shown with Coaxial Illuminator, Achrovid Adapter and Achrovid Objective.

ALL DIM ARE mm [inches] AND ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE.

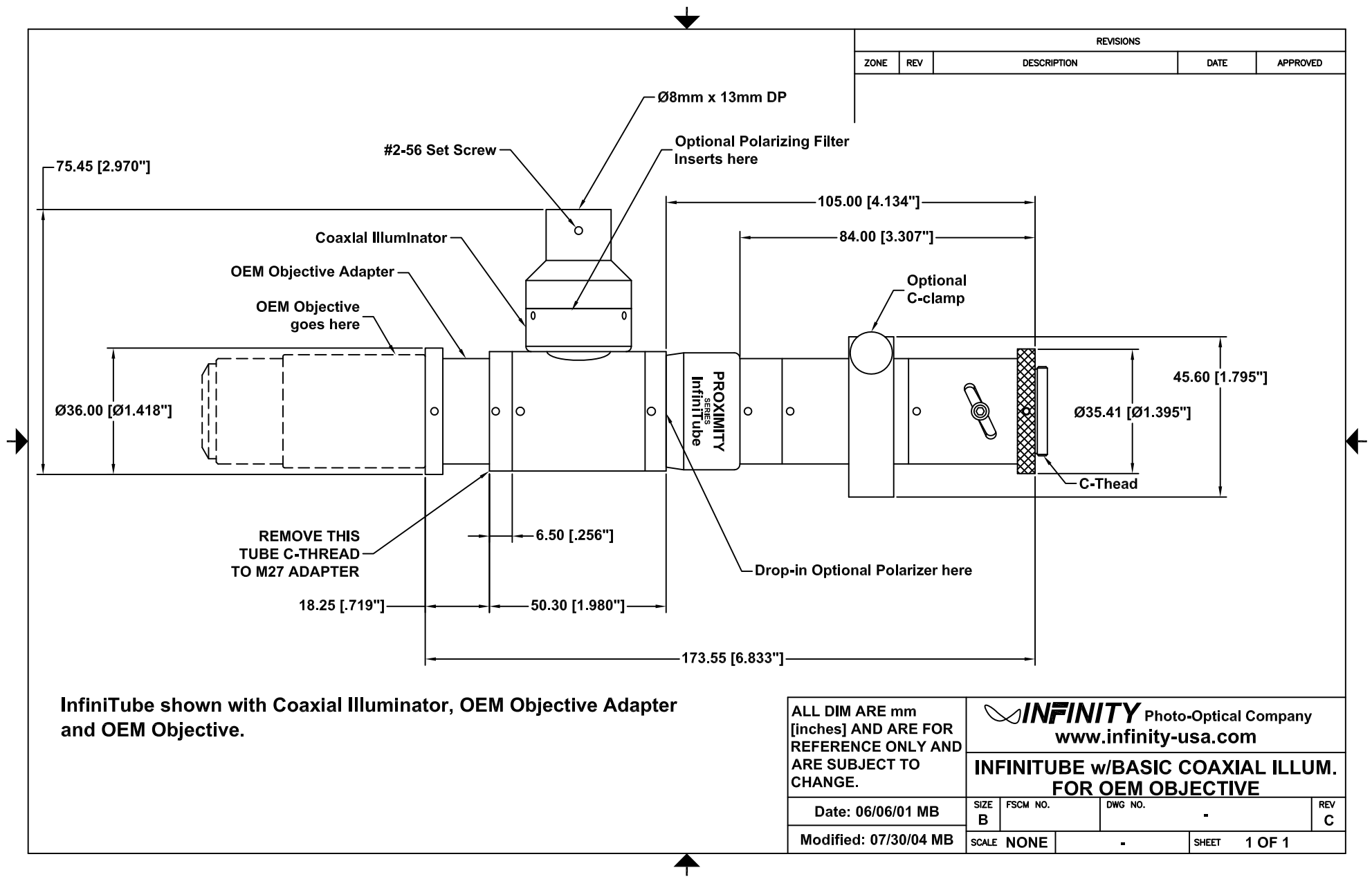
**INFINITY** Photo-Optical Company  
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**INFINITUBE w/COAXIAL ILLUMINATOR**

Date: 06/06/01 MB

Modified: 07/30/04 MB


SIZE	FSCM NO.	DWG NO.	REV
B		-	B
SCALE	NONE	-	SHEET 1 OF 1



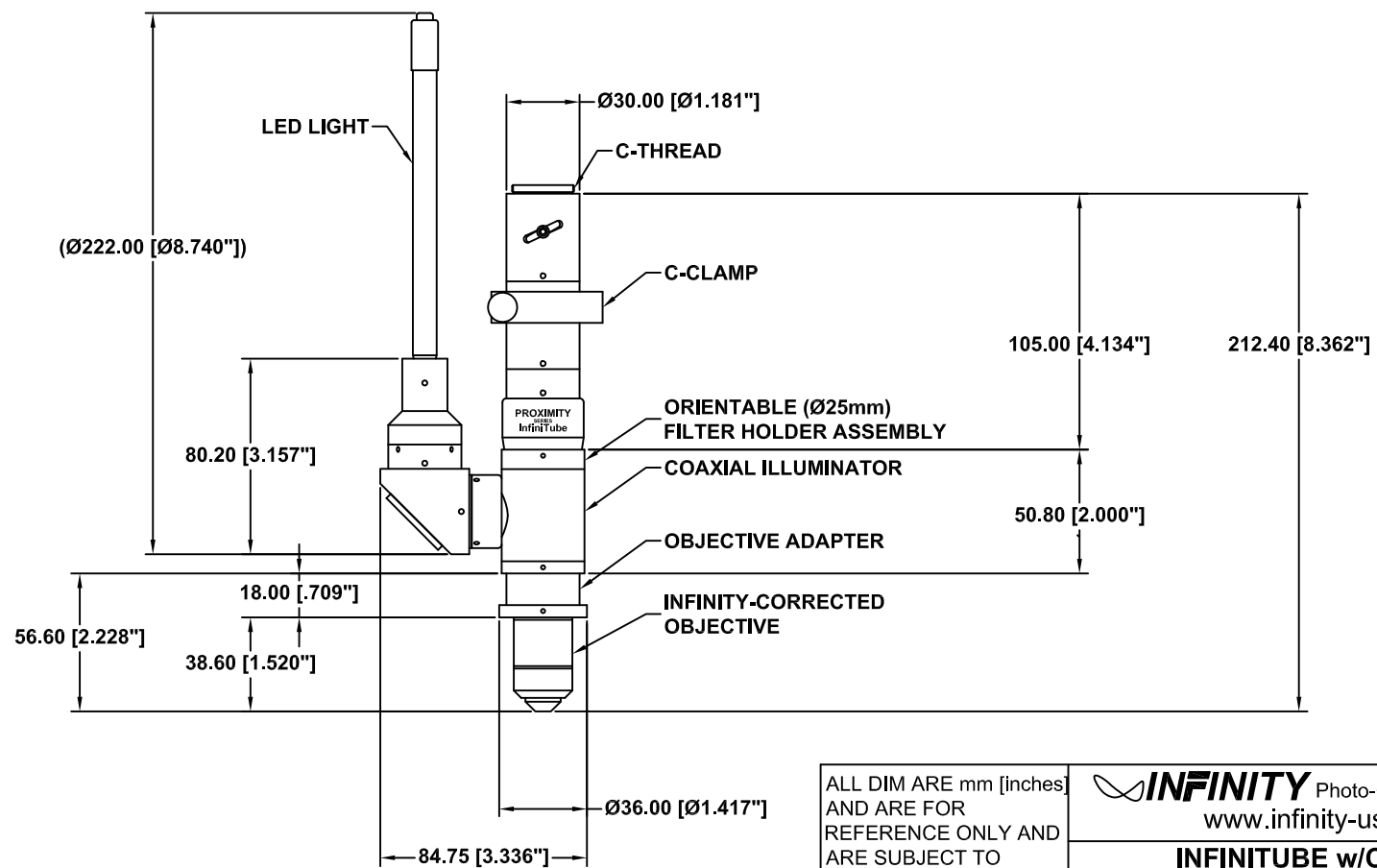
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

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[inches] AND ARE FOR  
REFERENCE ONLY AND  
ARE SUBJECT TO  
CHANGE.

Date: 06/06/01 MB  
Modified: 07/30/04 MB

 <b>INFINITY</b> Photo-Optical Company www.infinity-usa.com			
<b>INFINITUBE w/BASIC COAXIAL ILLUM. FOR OEM OBJECTIVE</b>			
SIZE <b>B</b>	FSCM NO.	DWG NO. -	REV <b>C</b>
SCALE <b>NONE</b>	-	SHEET <b>1 OF 1</b>	





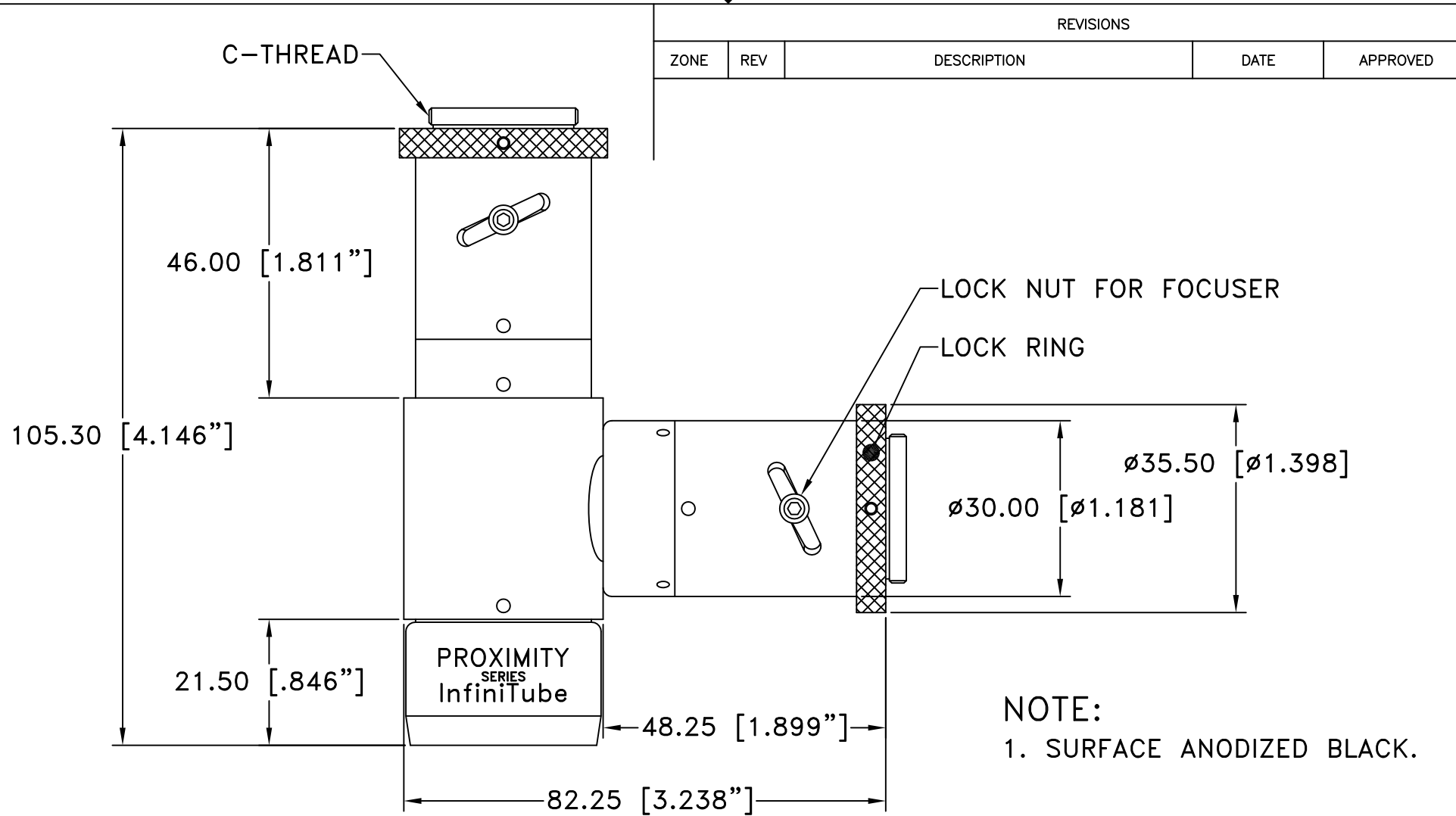
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ALL DIM ARE mm [inches]  
AND ARE FOR  
REFERENCE ONLY AND  
ARE SUBJECT TO  
CHANGE.

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**INFINITUBE w/COAXIAL  
ILLUMINATOR AND RA LED LIGHT**


Date: 09/15/14 MB	SIZE B	FSCM NO.	DWG NO. -	REV -
Modified:	SCALE NONE	-	SHEET 1 OF 1	



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Date: 07/29/04 MB  
Modified:

 **INFINITY** Photo-Optical Company  
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**INFINITUBE DUAL PORT**

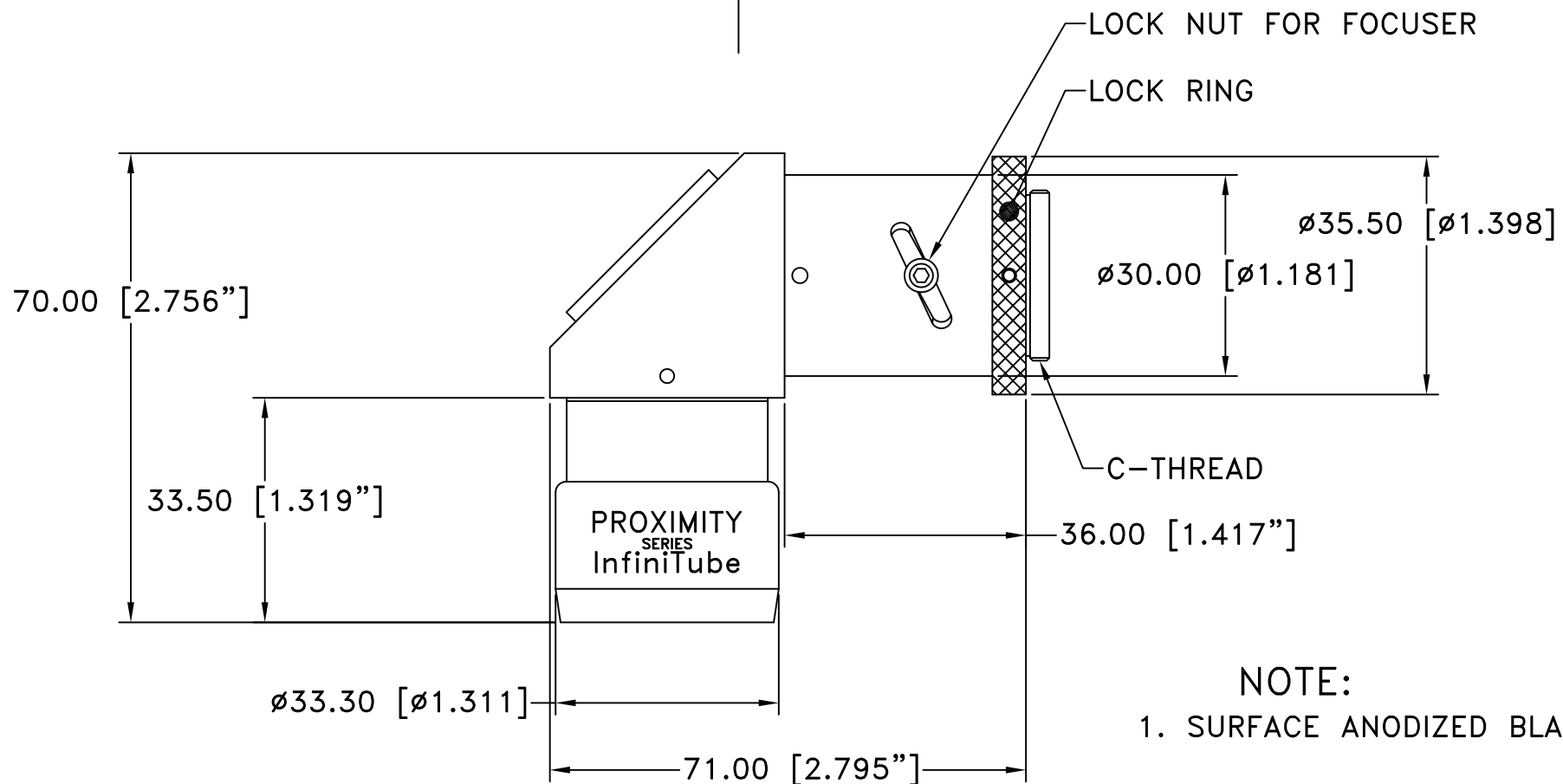
SIZE A	FSCM NO.	DWG NO. <b>210 246</b>	REV -
SCALE <b>NONE</b>		SHEET <b>1 OF 1</b>	







REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



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Date: 04/20/11 MB

Modified:

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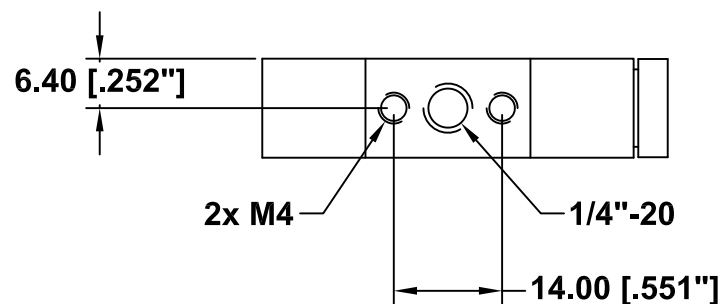
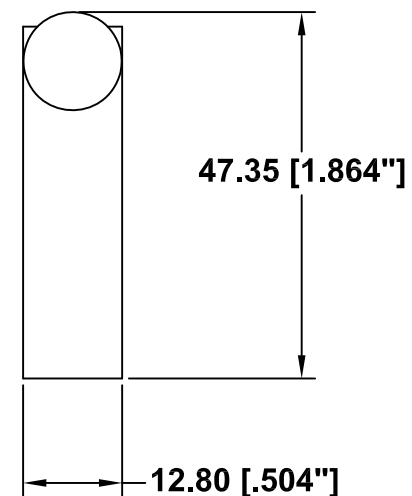
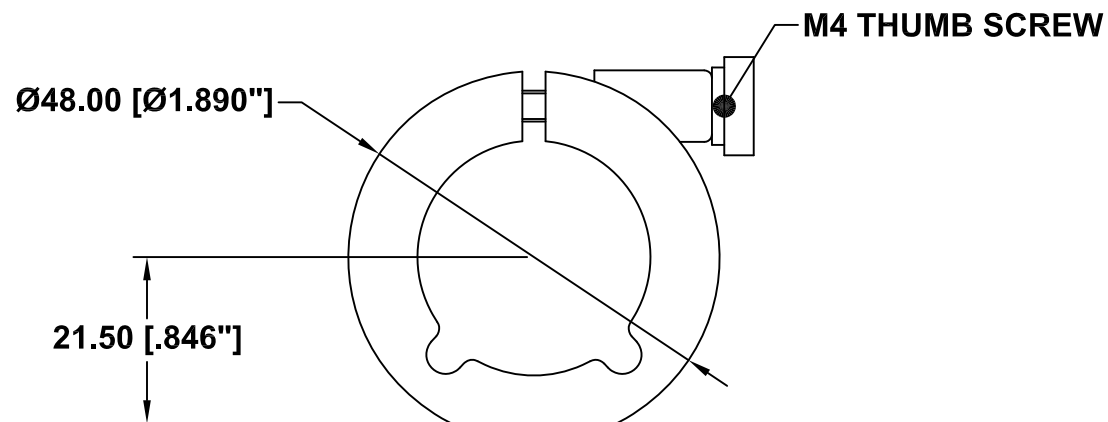
## INFINITUBE RIGHT ANGLE

SIZE A	FSCM NO.	DWG NO. <b>210 202</b>	REV -
SCALE <b>NONE</b>	-	SHEET <b>1 OF 1</b>	





REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



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## SMALL MOUNTING CLAMP

Date: 03/19/01 MB		SIZE A	FSCM NO.	DWG NO. <b>990 171</b>	REV <b>A</b>
Modified: 04/06/01 MB		SCALE <b>NONE</b>		SHEET <b>1 of 1</b>	



# **INFINITY PHOTO-OPTICAL COMPANY LIMITED WARRANTY**

INFINITY PHOTO-OPTICAL COMPANY hereby warrants its products to be free from defects in workmanship or materials for the warranty period set forth below. INFINITY PHOTO-OPTICAL COMPANY, at its option, shall repair or replace the defective product without cost to the purchaser, and such repair or replacement shall be the full extent of this express limited warranty. INFINITY PHOTO-OPTICAL COMPANY shall not be liable for any other damages either direct or consequential.

This warranty is made to the original purchaser, and is effective only on new equipment purchased from INFINITY PHOTO-OPTICAL COMPANY, or a dealer authorized by INFINITY PHOTO-OPTICAL COMPANY to sell the product.

This warranty is valid only when the product is returned to the authorized dealer from whom it was purchased, or returned directly to INFINITY PHOTO-OPTICAL COMPANY, freight prepaid, with proof of date of purchase.

This warranty does not extend to any defect, malfunction or failure caused by misuse, abuse or the use of the product with equipment for which it may not have been intended. Any unauthorized repair voids this warranty.

The warranty period for all products manufactured by INFINITY PHOTO-OPTICAL COMPANY is five (5) years from date of original purchase. Parts or components made or sourced from other manufacturers shall be solely covered by that manufacturer's warranty.

The warranty contained herein is the only warranty made by INFINITY PHOTO-OPTICAL COMPANY. Any implied warranty of merchantability and/or fitness for a particular purpose is expressly excluded from this warranty. INFINITY PHOTO-OPTICAL COMPANY shall not be liable for any expense, loss, incidental or consequential damages which may arise in connection with the use of this equipment. Recovery under this warranty is limited to repair or replacement of the equipment as provided above.

INFINITY PHOTO-OPTICAL COMPANY reserves the right to modify designs, equipment and accessories without notice.

## **RETURNING INFINITY PRODUCTS FOR SERVICE**

### **Warranty Repairs:**

If you have reason to think something is wrong or functioning improperly with your Infinity Photo-Optical product under the terms of the Warranty, please contact us to explain the problem. We can not accept items sent to us without first discussing the problem and providing you with a return merchandise authorization (RMA). Customer is responsible for delivery charges to us. We will examine the product and inform you whether or not the Warranty applies. If so, we will repair/replace the item to factory specifications free of charge. Return delivery charges will be paid by us. If the item(s) is/are deemed out of Warranty, we will advise if repairs can be made at a quoted charge. If customer refuses to authorize a charged repair, item will be returned at the customer's expense.

### **Repairs of Out of Warranty Products:**

Often, we get requests to fix or repair products which are clearly older models out of Warranty. Before attempting to send such to us, please contact Infinity to go over what is desired. It is helpful to send us photos of the product so that we can see if there is a reasonable basis for a repair. Often, older instruments are "inherited" in a department and may have been tampered with by previous users. Infinity products obtained second-hand may have missing parts. After obtaining an RMA as detailed above for Warranty repairs, we will examine the item(s) and provide you with an estimate of charges for repair and return delivery to a level of performance agreed upon. Sometimes it is not possible to cost-effectively repair a product that has been abused or disassembled. A slight cosmetic defect may not affect performance and if so, we will not repair or replace it unless instructed to do so at additional charges. Upon your authorization for us to perform the repair, you will be charged at the price previously quoted for the service and delivery charges involved.