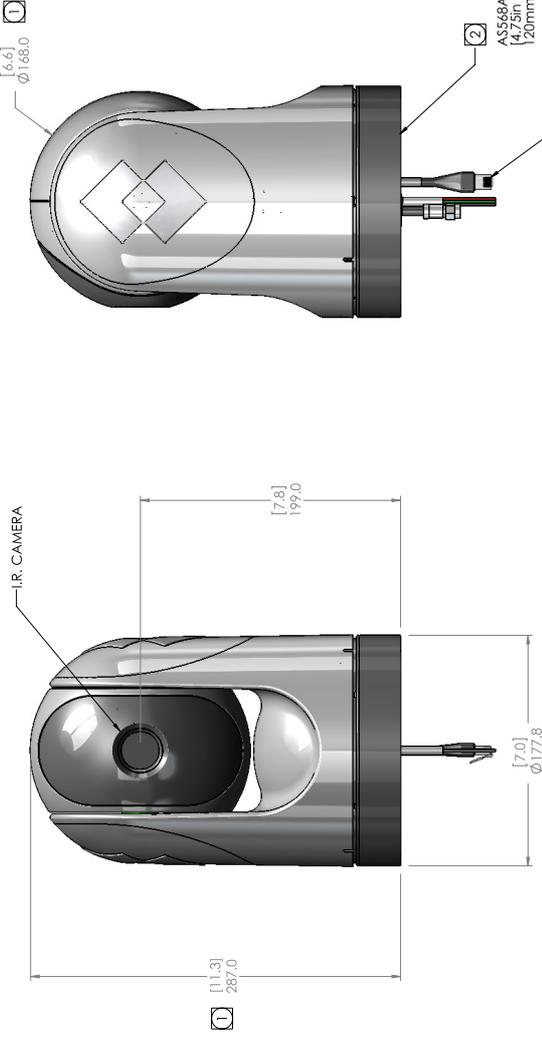


**M-SERIES
SINGLE PAYLOAD**

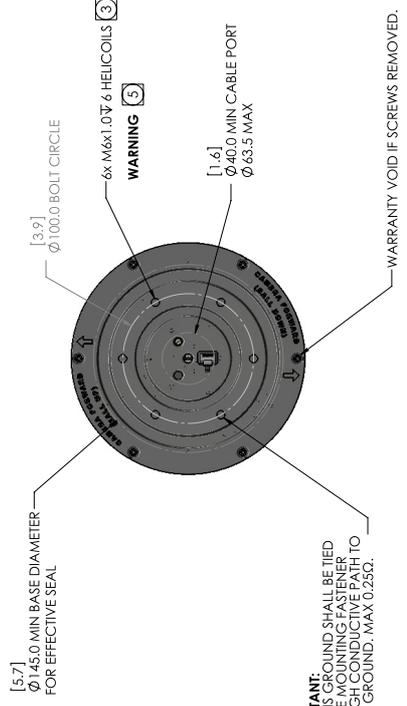


- 1 [6.6] \varnothing 168.0
- 2 AS568A-427 EP O-RING
14.75mm ID x 0.25mm DIA. EP
120mm ID x 7mm DIA. EP
- 3 AS568A-334 EP O-RING
12.63mm ID x 0.19mm DIA. EP
67mm ID x 3mm DIA. EP

CABLES SHOWN FOR REFERENCE ONLY.
NOT TO SCALE. NOR CORRECT LENGTH.

- 381 ± 25mm [1.5 ± 1in] POWER CABLE, UNTERMINATED TINNED 18AWG WIRE.
- 437 ± 25mm [1.8 ± 1in] NETWORK CABLE, RJ45 1568B, MALE.
- 533 ± 25mm [2.1 ± 1in] IR VIDEO CABLE, F-TYPE MALE.

- 1 CLEARANCE REQUIRED FOR FREE MOTION OF SYSTEM.
- 2 O-RING USED FOR SEALING SYSTEM TO MOUNTING STRUCTURE. STANDALONE UNIT MEETS IP66 SEALING SPECIFICATION. MINIMUM CLEARANCE REQUIRED FOR O-RING: 0.5mm (0.020in). SYSTEM DIAMETER REQUIRED FOR O-RING: USE WHEN MOUNTING SYSTEM ON IRREGULAR SURFACES. USE OF BEDDING COMPOUND RECOMMENDED.
- 3 USE WITH FLIR MOUNTING HARDWARE KITS:
4115301 HARDWARE KIT - M-SERIES BASIC MOUNT
500-0397-001 TOP DOWN INSTALLATION RISER KIT
500-0397-000 TOP DOWN INSTALLATION RISER KIT
- 4. USE LOGITIE 242 WITH ALL METAL TO METAL THREADED CONNECTIONS.
- 5 **WARNING:**
MOUNT BOTTOM FASTENERS IN BASE.
BOLT LENGTH NO TO EXCEED 60mm INTO BASE.
ELECTRONICS WILL BE DAMAGED BY BASE PENETRATION - VOIDING WARRANTY.
BOLT TORQUE NOT TO EXCEED 9.5 N-m [7 lb-ft].



- 5.7 \varnothing 145.0 MIN BASE DIAMETER FOR EFFECTIVE SEAL
- 3.9 \varnothing 100.0 BOLT CIRCLE
- 5 **WARNING**
- 1.6 \varnothing 40.0 MIN CABLE PORT \varnothing 43.5 MAX
- IMPORTANT:**
CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.
- WARRANTY VOID IF SCREWS REMOVED.

METRIC

THIRD ANGLE PROJECTION

INTERPRET DRAWING PER ASME Y14.5M-1994

UNLESS OTHERWISE SPECIFIED SURFACE FINISH IS 32

XX = ±.13

ANGULAR = ±.5°

FILLET RADIUS = .13 MAX

REV	064Y2	432-0003-00	130
DATE	2/19/2012	SHEET	2 OF 11
SCALE	1:1.5	PRINTED	2/19/2012

Gimbal Assy - Pelagic, M-324

SIZE D

SCALE 1:1.5

PRINTED 2/19/2012

SHEET 2 OF 11

SOLD DRAWING MODEL: 500-xxxxx00 Pelagic Gimbal Assembly

MODEL REVISION: 01-11-C

1

DWG NO. 432-0003-00 SH 3 REV 130

3

4

D

C

B

A

IMPORTANT NOTE:

PAPER SIZE: 11x17in
TEMPLATE SHOULD PRINT 1:1

DUE TO VARIATION IN SOFTWARE AND
PRINTERS, PLEASE VERIFY SCALE BELOW
BEFORE MODIFYING MOUNTING SURFACE.

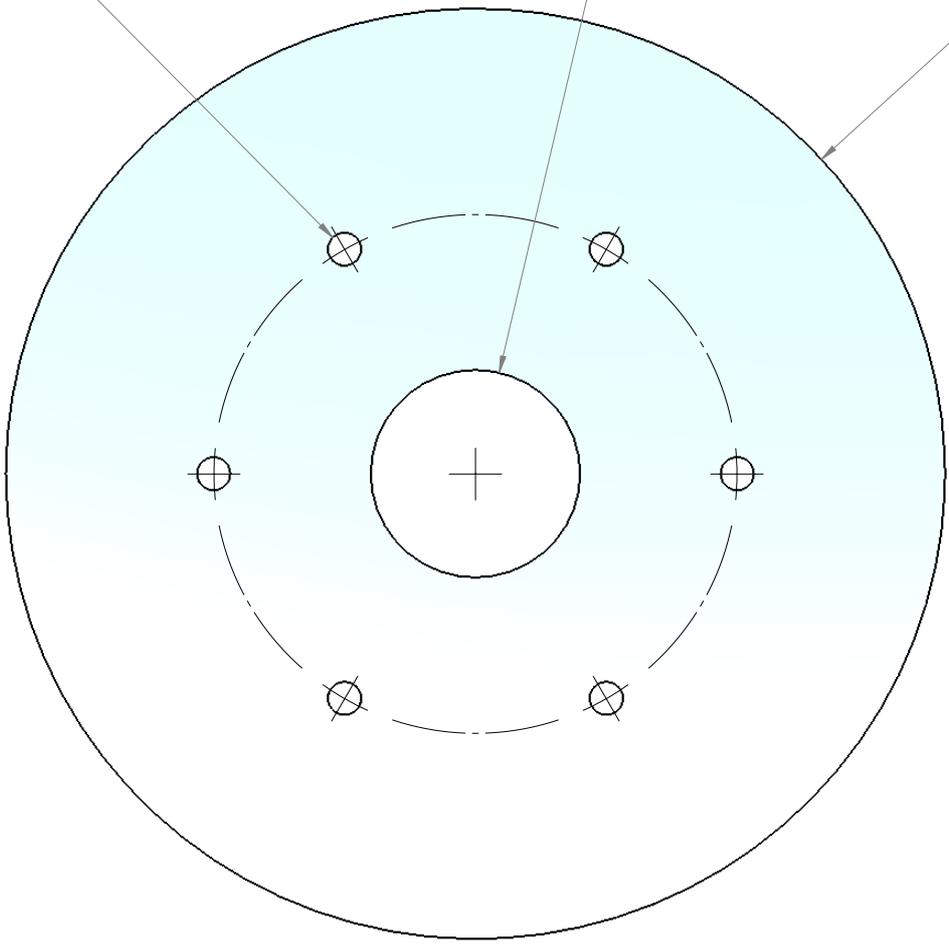
[.3]
6x ϕ 6.4 THRU HOLE
EQUALLY SPACED ON
 ϕ 100 [3.94] BOLT CIRCLE

2.00IN

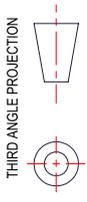
50.0MM

ϕ 40.0 [1.57] MIN CABLE PORT.
 ϕ 63.5 [2.50] MAX

[7.1]
 ϕ 179.4 M-SERIES O.D.



METRIC



THIRD ANGLE PROJECTION
INTERPRET DRAWING
PER ASME Y14.5M-1994
UNLESS OTHERWISE SPECIFIED
SURFACE ROUGHNESS 32
X.Y ± .13
X.Z ± .5
FILLET RADIUS = .13 MAX

**MOUNTING TEMPLATE
M-SERIES GIMBAL**

SIZE	CAGE	DWG NO.	REV
B	064Y2	432-0003-00	130
SCALE	1:1	PRINTED: 2/9/2012	SHEET 3 OF 11

1

2

3

4

SOLIDWORKS MODEL: M series gimbal template
MODEL REVISION: PO1-WC