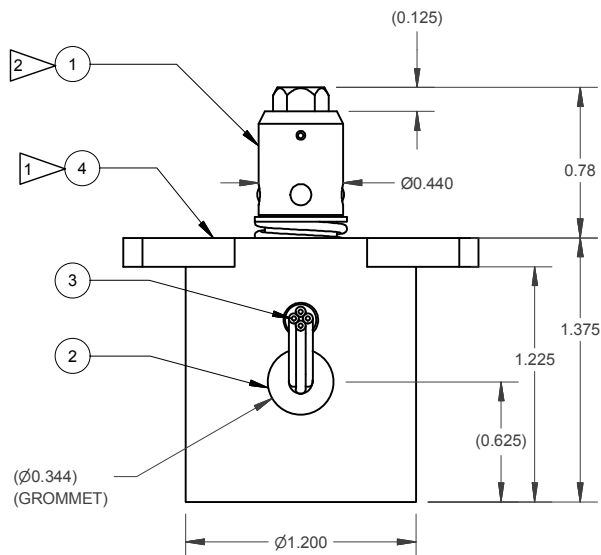
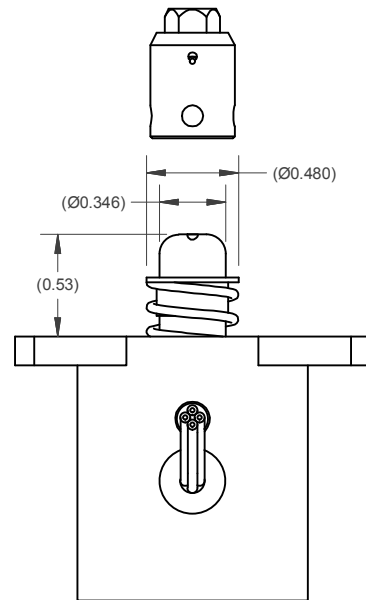
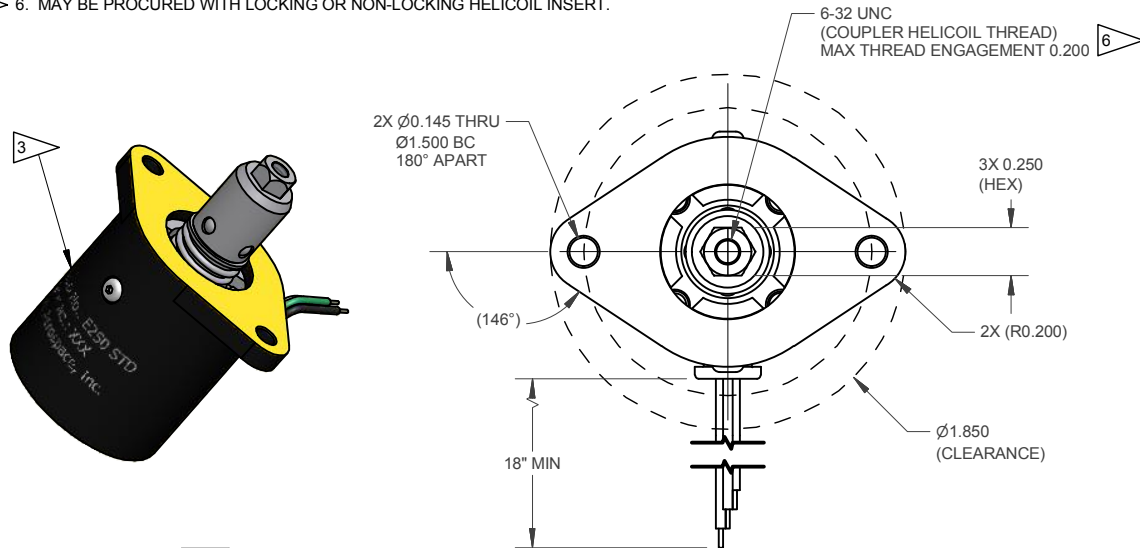


NOTES: UNLESS OTHERWISE SPECIFIED

1. MOUNTING FACE: GOLD ALODINE AS SHOWN PER MIL-C-5541 CLASS 1A.
ALL OTHER SURFACES: HARD BLACK ANODIZE PER MIL-A-8625 TYPE III, CLASS II, AND TEFLON COAT.
2. SURFACE PLATING: TIOLON X-40.
3. IDENTIFICATION BLOCK ETCHED ONTO ENCLOSURE.
4. RESET ERM PER TINI PROCEDURE F-1324 USING TINI RESET TOOL.
5. TORQUE DEPLOYABLE (STUD, BOLT) INTO COUPLER WITH NO MORE THAN 100 IN-OZ.
6. MAY BE PROCURED WITH LOCKING OR NON-LOCKING HELICOIL INSERT.



ALL INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL TO TINI AEROSPACE INC. ("TAI") AND IS NOT TO BE REPRODUCED IN WHOLE OR PART, OR USED FOR ANY PURPOSE OTHER THAN WHICH IT IS PROVIDED EXCEPT ON "TAI" ORDER OR "TAI" PRIOR WRITTEN CONSENT.

REVISION HISTORY

REV	DESCRIPTION	DATE
INITIAL	PER DCO-3826	8/20/2012

ACTUATOR CHARACTERISTIC

MASS
NUMBER OF WIRE LEADS
CABLE LENGTH

ELECTRICAL:

POWER
OPERATIONAL CURRENT
RESISTANCE

PERFORMANCE:

MAX RELEASE LOAD
PROOF LOAD (NON-RELEASE)
MAX TORQUE
MAX MISALIGNMENT CAPABILITY
FUNCTION TIME
RE-USABLE
LIFE

TEMPERATURE:

NON-OPERATIONAL PRE-ACTUATION
OPERATIONAL
NON-OPERATIONAL POST ACTUATION

OTHER ENVIRONMENTS:

RANDOM VIBRATION (3 AXIS)

SPECIFICATION

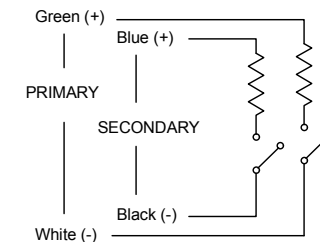
2.7 oz [75 g]
4 TOTAL (2 PRIMARY + 2 SECONDARY)
18 in [457 mm] MIN

6.25 W @ 1.25 A
1.25 to 5.0 A
4.0 ± 0.3 Ω @ 23 °C

250 lbf [1112 N]
350 lbf [1557 N]
100 in-oz
± 5°
25 ± 5 ms. @ 4.0 A (23 °C)
BY MANUALLY RESETTING ACTUATOR
50 CYCLES MIN

-150 °C TO +70 °C
-65 °C TO +70 °C
-150 °C TO +150 °C

20.0 GRMS FOR 180s AS FOLLOWS:
FREQUENCY (Hz) PSD
20 0.052 g²/Hz
20-50 +6 dB/oct
50-800 0.32 g²/Hz
800-2000 -6 dB/oct
2000 0.052 g²/Hz



WIRING SCHEMATIC

4	1	WI-2334	ENCLOSURE	AI 6061-T6	AMS-QQ-A-200/8
3	1	WI-1925	24 AWG WIRE HARNESS	Ag/Cu TEFLON	MIL-W-22759/43
2	1	WI-1602	GROMMET	VITON	AMS 3216F
1	1	WI-2333	COUPLER	CUSTOM 455 SS	AMS 5617
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MTRL. SPEC.

Parts List

TiNi Aerospace, Inc
Innovative Mechanism Solutions

2505 KERNER BLVD.
SAN RAFAEL, CA. 94901
Tel 415-524-2124 Fax 415-524-2121

UNLESS OTHERWISE
SPECIFIED DIMENSIONS
ARE IN INCHES
TOLERANCES
.XX .XXX

±.03 ±.010 ±.5° 63/

REMOVE ALL BURRS

SCALE: NOT TO SCALE

REV: INITIAL

SHEET
1 OF 1

INTERPRET DRAWING
PER ASME Y14.5M
THIRD ANGLE PROJECTION

DESIGNER: npastor

DRAWN:

APPROVED:

PROJECT:

CREATED:
8/20/2012

TITLE:

**ERM ACTUATOR ICD
MODEL: E250 STD**

DWG# WI-2420