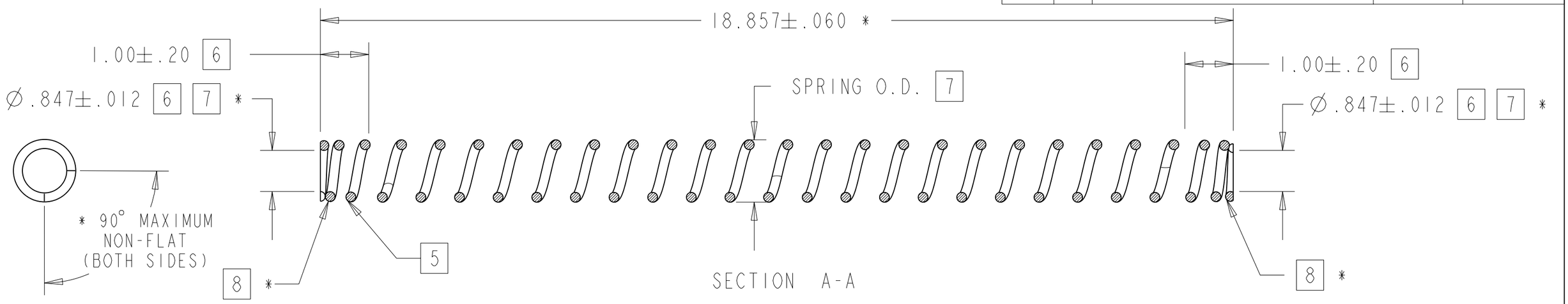
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	ADDED NOTE 8, ADDED * TO MAX. 90° NON-FLAT ENDS AND ADDED * TO WIRE DIAMETER.	26SEP05	
	B	ADDED -065 AND -066 P/N TO TABLE AND 2ND SENTENCE ADDED TO NOTE 6.	15MAR06	



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL: BETA C TITANIUM ALLOY.
   * SUPPLIER MUST SUBMIT MATERIAL CERTIFICATION WITH EACH LOT SHIPMENT.
2. CLOSED AND GROUND ENDS ON EACH SIDE OF SPRING.
   * ENDS ON EACH SIDE OF THE SPRING MUST BE SQUARE WITHIN 2°.
3. PEEN STRESS RELIEVE SPRINGS.
4. POWDER PAINT THE ENTIRE SPRING TO COLOR SHOWN IN P/N TABLE. PAINT THICKNESS IS .0030±.0015". PAINT MUST BE CHIP AND FLAKE RESISTANT DURING OPERATION IN MINERAL-BASED OIL BATH LUBRICATION.
5. WHITE STAMP MARK THE WORD "TITANIUM" ON THE OUTSIDE COIL SHOWN WITH AN APPROX. .125" TEXT HEIGHT.
6. DIMENSIONS SHOWN ARE TO ID'S AND POSTION OF TAPERED ENDS. ENDS OF -065 AND -066 SPRINGS ARE NOT TO BE TAPERED.
7. DIMENSION APPLIES AFTER PAINTING.
8. * EACH CLOSED END OF SPRING MUST HAVE COIL-TO-COIL CONTACT FOR A MINIMUM OF 45°.
9. PRESET SPRINGS BY DEFLECTING SPRING TO A "PRESET LENGTH" OF 10.227" ONE TIME DURING MANUFACTURING TO OBTAIN FINAL LENGTH AND TOLERANCE.
10. ACTIVE NUMBER OF COILS ARE ENGINEERED ASSUMING 1.285 SPRING O.D.
11. STARRED (*) DIMENSIONS OR NOTES ARE CRITICAL AND NOTED FOR QC INSPECTION.

PART NUMBER	* SPRING RATE ±8%	COLOR CODE 4	* PAINTED SPRING O.D. +.012 -.017 7	UNPAINTED SPRING O.D. +.010 -.015	UNPAINTED SPRING I.D. (REF.)	* UNPAINTED WIRE O.D. ±.002	ACTIVE COILS (REF.)	TOTAL COILS (REF.)
039-05-060	30 LB/IN	BLACK	1.291	1.285	.915	.185	21.284	23.284
039-05-061	35 LB/IN	PURPLE	1.291	1.285	.899	.193	22.037	24.037
039-05-062	40 LB/IN	BLUE	1.291	1.285	.883	.201	23.142	25.142
039-05-063	45 LB/IN	GREEN	1.291	1.285	.876	.205	22.421	24.421
039-05-064	50 LB/IN	YELLOW	1.291	1.285	.860	.213	24.005	26.005
039-05-065	55 LB/IN	ORANGE	1.291	1.285	.844	.220	25.822	27.822
039-05-066	60 LB/IN	RED	1.291	1.285	.828	.228	27.870	29.870

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	MATERIAL SPEC 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: INCHES [MM]

TOLERANCES ARE:
DECIMALS .XX [.X] ± .01 [0,25]
.XXX [.XX] ± .005 [0,13]
ANGLES ± 1°

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

PER ASME Y14.5M 1994

APPROVALS		DATE
DWN. BY	B. BECKER	08APR05
CHK. BY	B. BECKER	08APR05
ENG.	B. BECKER	08APR05
MFG.		
ADD.		

FOX Factory, Inc.
130 Hangar Way, Watsonville, CA 94076 USA, Ph 831-768-1100, Fax 831-768-9312

SPRING: (T) 2006 40 FORX, MAIN, TITANIUM

SIZE B | PART NO. 039-05-06X

PLOT SCALE 1:1 | SHEET 1 OF 1