

.275 EXPANDED MIN
[6.99]

VIEW OF ASSEMBLY EXPANDED

.120 [3.05] MAX SCREW ADVANCEMENT
(.300 [7.62] MAX WITH V OPTION)

.125
[3.18]

ASSY LENGTH
(SEE P/N CODE SHEET 2)

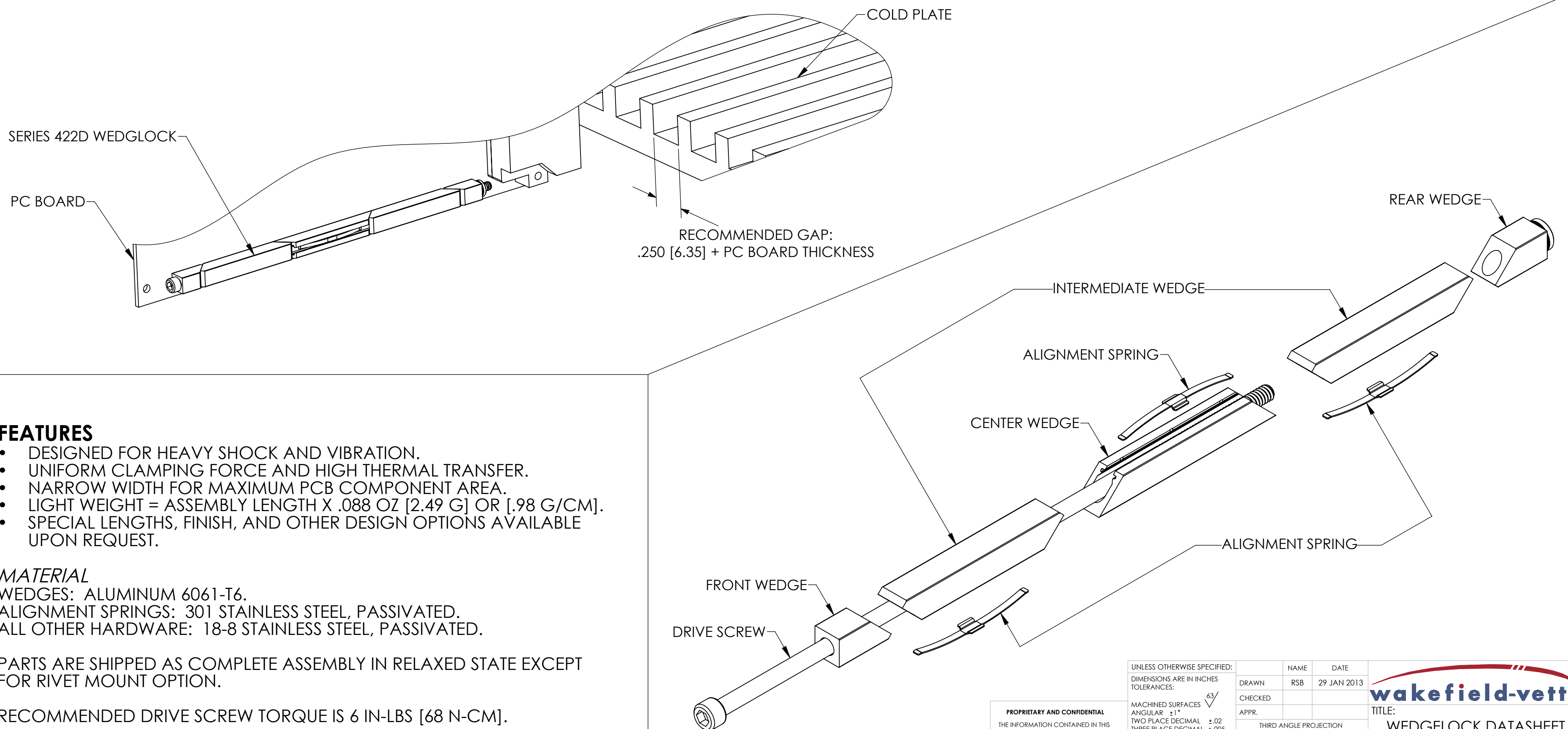
.20
[5.1]

.225 MAX
[5.72 MAX]

VIEW OF ASSEMBLY RELAXED

.220
[5.59]

.220
[5.59]



FEATURES

- DESIGNED FOR HEAVY SHOCK AND VIBRATION.
- UNIFORM CLAMPING FORCE AND HIGH THERMAL TRANSFER.
- NARROW WIDTH FOR MAXIMUM PCB COMPONENT AREA.
- LIGHT WEIGHT = ASSEMBLY LENGTH X .088 OZ [2.49 G] OR [.98 G/CM].
- SPECIAL LENGTHS, FINISH, AND OTHER DESIGN OPTIONS AVAILABLE UPON REQUEST.

MATERIAL

WEDGES: ALUMINUM 6061-T6.
ALIGNMENT SPRINGS: 301 STAINLESS STEEL, PASSIVATED.
ALL OTHER HARDWARE: 18-8 STAINLESS STEEL, PASSIVATED.

PARTS ARE SHIPPED AS COMPLETE ASSEMBLY IN RELAXED STATE EXCEPT FOR RIVET MOUNT OPTION.

RECOMMENDED DRIVE SCREW TORQUE IS 6 IN-LBS [68 N-CM].

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF WAKEFIELD-VETTE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF WAKEFIELD-VETTE IS PROHIBITED.
MATERIAL
SEE PART DETAILS
FINISH
SEE FINISH TABLE

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
MACHINED SURFACES
ANGULAR $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .02$
THREE PLACE DECIMAL $\pm .005$
INTERPRET GEOMETRIC
TOLERANCING PER: ASME Y-14.5M
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	RSB	29 JAN 2013
CHECKED		
APPR.		
THIRD ANGLE PROJECTION		
CAGE CODE	3E7UB	

wakefield-vette
TITLE:
WEDGELOCK DATASHEET
.220 X .220 PROFILE
SIZE DWG. NO. REV
C 422D-DS 02/13
SCALE: NONE SHEET 1 OF 2

[LLL] LENGTH TABLE		
ASSY LENGTH [LLL]	[H] MTG X	[C] OPTION X/2
480 - 749	.900	.450
750 - 849	1.900	.950
850 & UP	2.900	1.450
OTHER LENGTHS AVAILABLE UPON REQUEST		

[H] MOUNTING TABLE	
DASH NO	DESCRIPTION
A	NO MOUNTING HOLES
R	$\phi .068 / .073$ THRU $\phi .156 \times \downarrow .16$ $100^\circ \times \phi .140$
T	#0-80 UNF-2B THREADS
S	#2-56 UNC-2B THREADS
U	M2 X .4-6H THREADS
M	M2.5 X .45-6H THREADS

[F] FINISH TABLE	
DASH NO	DESCRIPTION
A	NONE
C	CHEM FILM PER MIL-DTL-5541, CLASS 1A, TYPE I (CLEAR)
G	CHEM FILM PER MIL-DTL-5541, CLASS 1A, TYPE I (GOLD)
B	BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2
H	HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2
N	NICKEL PLATE PER QQ-N-290, CLASS 1, GRADE G, BRIGHT
E	ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT
T	TRIVALENT CHEM FILM PER MIL-DTL-5541, CLASS 1A, TYPE II (CLEAR), RoHS COMPLIANT
ALL THREADS ARE GAUGED PRIOR TO PLATING	

PART#1 EXAMPLE: 422D-480UMG
4.80" LENGTH, M2 MOUNT HOLES, METRIC M2.5 SOCKET HEAD, GOLD CHEM FILM

PART#2 EXAMPLE: 422D-480UMG-CP
SAME AS ABOVE PLUS CENTER MOUNTING HOLE AND LOCK PATCH OPTIONS

PART DEFINITION
(REQUIRED)

PART NUMBER CODE

PART NUMBER OPTIONS
(NOT REQUIRED)

422D - [LLL] [H] [D] [F] - [C] [W] [N] [P] [V]

SERIES
PART NO

LENGTH
(EX. 480 = 4.80")

MOUNTING HOLE
(SEE MOUNTING TABLE)

DRIVE SCREW
'M' FOR M2.5 HEX
'S' FOR 3/32 HEX

FINISH
(SEE FINISH TABLE)

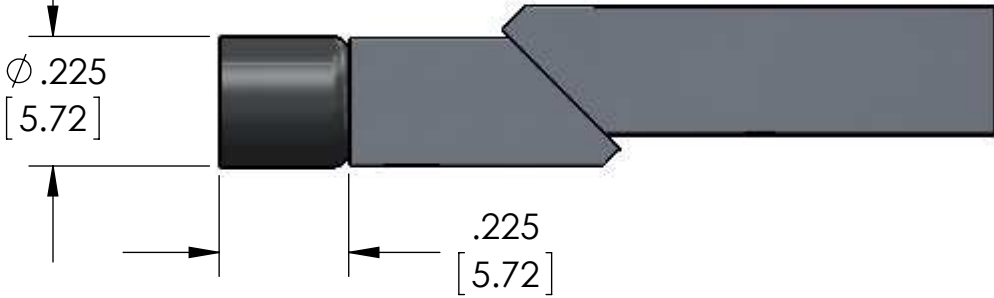
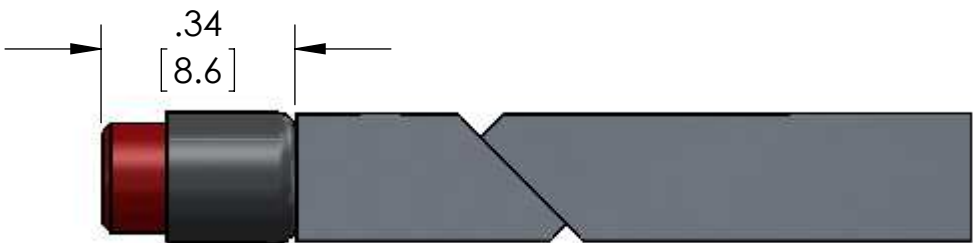
ADD 'V' FOR OPTIONAL
VISUAL INDICATOR

ADD 'P' FOR OPTIONAL
LOCK PATCH

OPTIONAL LOCK NUT
ADD 'A' FOR MS21043-04 SILVER PLATED A286 SS
ADD 'N' FOR MS21042-04 CADMIUM PLATED STEEL

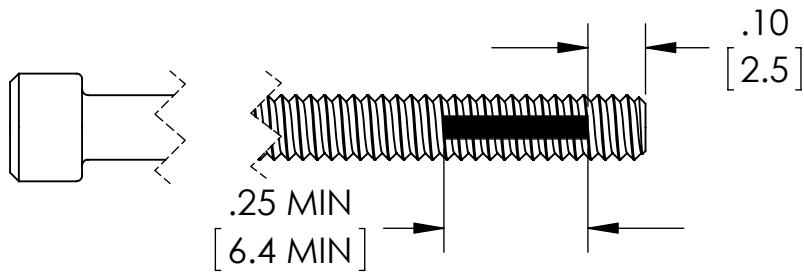
ADD 'W' FOR OPTIONAL
LOCK AND FLAT WASHER

ADD 'C' FOR OPTIONAL
CENTER MOUNTING HOLE



'V' OPTION

VISUALLY CONFIRMS LOCKED IN PLACE
WHEN RED SCREW HEAD IS CONCEALED

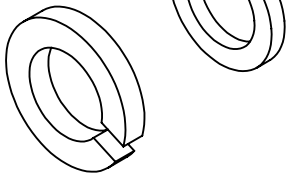


'P' OPTION

NYLON PATCH PER MIL-F-18240
PROVIDES ADDITIONAL RESISTANCE
TO SHOCK AND VIBRATION

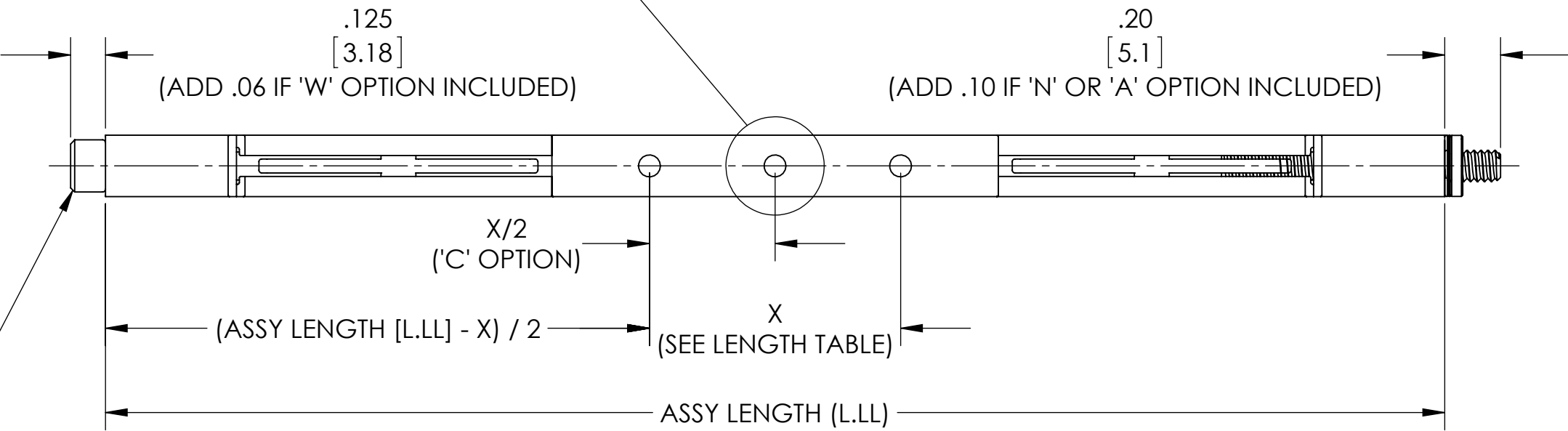
'A' OR 'N' OPTION

PREVENTS DISASSEMBLY OF
REAR WEDGE FROM SCREW



'W' OPTION

LOCK AND FLAT WASHERS



ADD .19 TO SCREW LENGTH
IF 'V' OPTION INCLUDED

BOTTOM VIEW