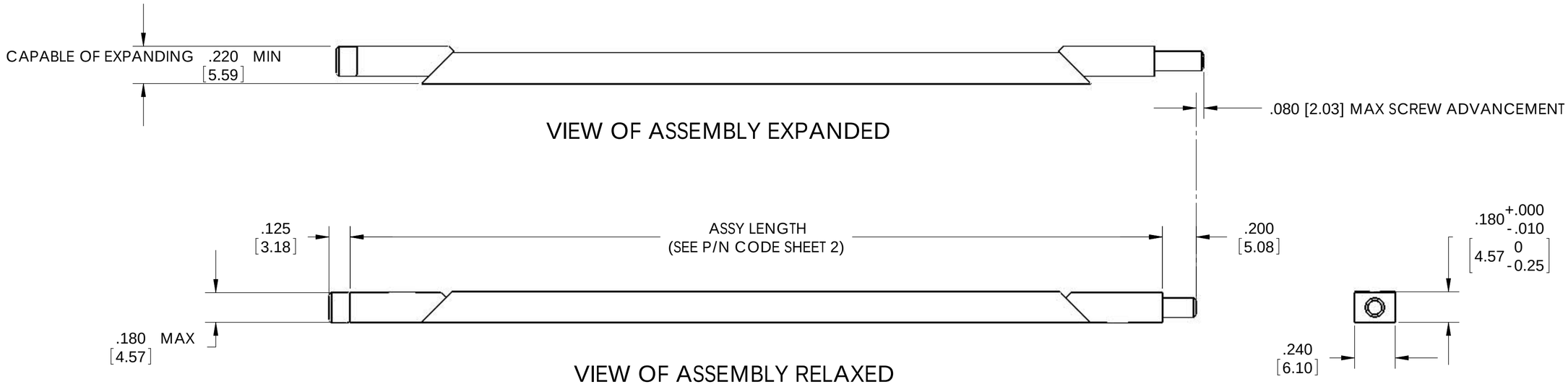

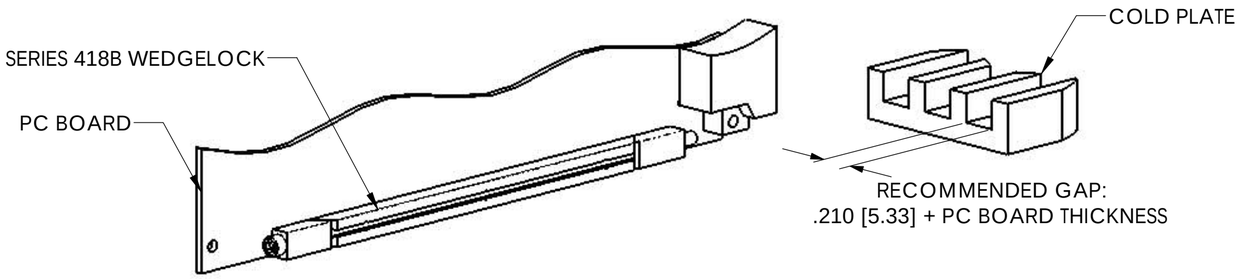

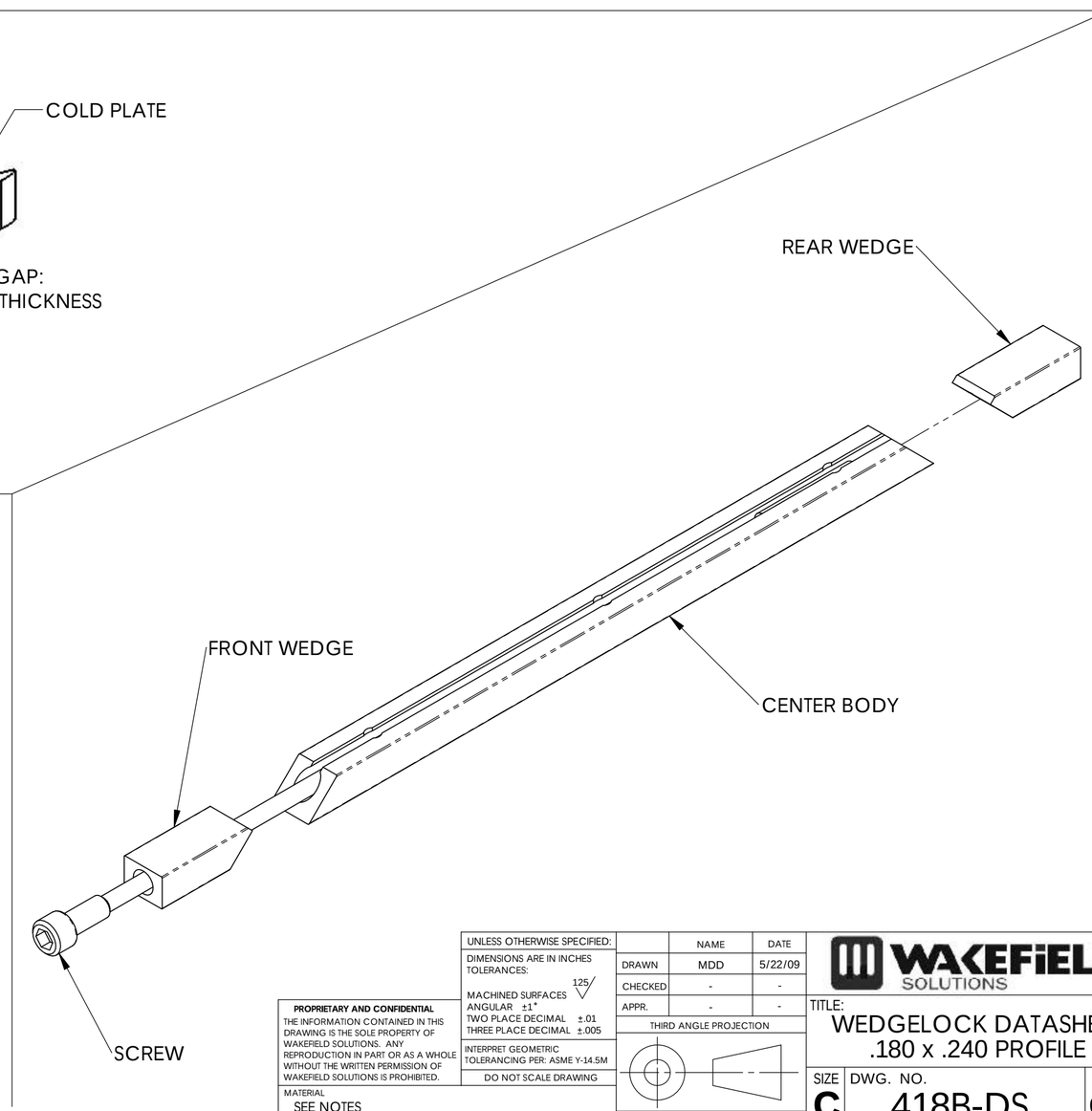

FEATURES

- DESIGNED FOR HEAVY SHOCK AND VIBRATION.
- UNIFORM CLAMPING FORCE AND HIGH THERMAL TRANSFER.
- LOW PROFILE DESIGN ALLOWS FOR DECREASED SLOT PITCH.
- LIGHT WEIGHT = ASSEMBLY LENGTH X .083 OZ [2.35G] OR [.92 G/CM].
- SPECIAL LENGTHS, FINISH AND OTHER DESIGN OPTIONS AVAILABLE UPON REQUEST.

MATERIAL

WEDGES: ALUMINUM ALLOY 6061-T6 PER ASTM-B221; FINISH: SEE P/N CODE.
DRIVE SCREW: STAINLESS STEEL 18-8 PER ASTM-A582; FINISH: PASSIVATE PER MIL-S-5002.

PARTS ARE SHIPPED AS COMPLETE ASSEMBLY IN RELAXED STATE,
EXCEPT IF [H] = 'R' FOR RIVET MOUNTING, SHIPPED AS KIT.

RECOMMENDED TORQUE 4 IN-LBS [45 N-CM]

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
MACHINED SURFACES 125
ANGULAR ±1°
TWO PLACE DECIMAL ±.01
THREE PLACE DECIMAL ±.005
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y-14.5M
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	MDD	5/22/09
CHECKED	-	-
APPR.	-	-

THIRD ANGLE PROJECTION

MATERIAL: SEE NOTES
FINISH: SEE SHEET 2
CAGE CODE: 3E7UB

WAKEFIELD SOLUTIONS

TITLE: WEDGELOCK DATASHEET .180 x .240 PROFILE

SIZE	DWG. NO.	REV
C	418B-DS	03/11

SCALE: 2:1 | SHEET 1 OF 2

EXAMPLE P/N CODE #1: 418B-480MMG
4.80" LENGTH, M2.5 MOUNT HOLES, METRIC M2.5 SOCKET HEAD, GOLD CHEM FILM

EXAMPLE P/N CODE #2: 418B-580UMB-W
5.80" LENGTH, M2 MOUNT HOLES, METRIC M2.5 SOCKET HEAD, BLACK ANODIZE WITH WASHER OPTION

PART NUMBER CODE

PART DEFINITION (REQUIRED)

PART NUMBER OPTIONS (NOT REQUIRED)

418B - [LLL] [H] [D] [F] - [C][W] [N] [P]

SERIES PART NO

ASSY 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 'C' FOR OPTIONAL CENTER HOLE OPTION

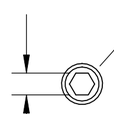
ADD 'W' FOR OPTIONAL LOCK AND FLAT WASHER

ADD 'A' FOR OPTIONAL LOCK NUT

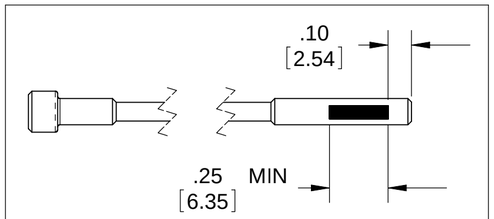
ADD 'P' FOR OPTIONAL LOCK PATCH

[LLL] LENGTH TABLE		
ASSY LENGTH	[H] MTG X	'C' OPTION X/2
-280	.900	.450
-330	1.400	.700
-380	1.900	.950
-430	2.400	1.200
-480	2.900	1.450
-530	3.400	1.700
-580	3.900	1.950

[H] MOUNTING METHOD TABLE	
DASH NO	DESCRIPTION
A	NO MOUNTING HOLES
R	⌀.068/.073 THRU ⌴ ⌀.156 X ↧.13 ∨ 100° X ⌀.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



M2.5 OR 3/32 ACROSS FLATS



'P' OPTION

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

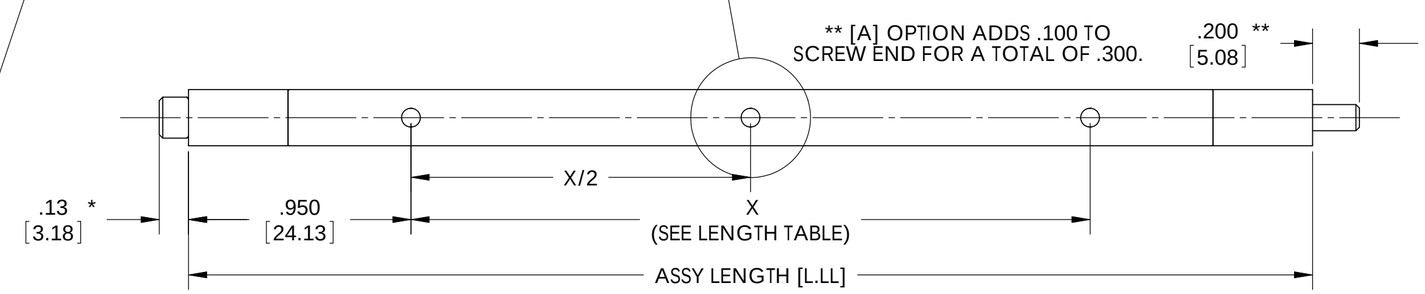
'A' OPTION**

MS21043-04, MODIFIED TO .180" MAX DIA. PREVENTS DISASSEMBLY OF REAR WEDGE FROM SCREW

'W' OPTION*

LOCK AND FLAT WASHER PER NAS1676C4. ADDS AN ADDITIONAL .060 TO THE DRIVE SCREW LENGTH

** [A] OPTION ADDS .100 TO SCREW END FOR A TOTAL OF .300.



BOTTOM VIEW

[F] FINISH TABLE	
DASH NO	DESCRIPTION
A	NONE
C	CHEM FILM PER MIL-C-5541, CLASS 1A (CLEAR)
G	CHEM FILM PER MIL-C-5541, CLASS 1A (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 (CLEAR) PER MIL-C-5541, CLASS 1A, RoHS COMPLIANT

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	NAME	DATE
DRAWN	MDD	5/22/09
CHECKED	-	-
APPR.	-	-

THIRD ANGLE PROJECTION

MATERIAL: SEE NOTES
FINISH: SEE SHEET 2

CAGE CODE: 3E7UB

WAKEFIELD SOLUTIONS

TITLE: WEDGELOCK DATASHEET .180 x .240 PROFILE

SIZE: C | DWG. NO.: 418B-DS | REV: 03/11

SCALE: 2:1 | SHEET 2 OF 2