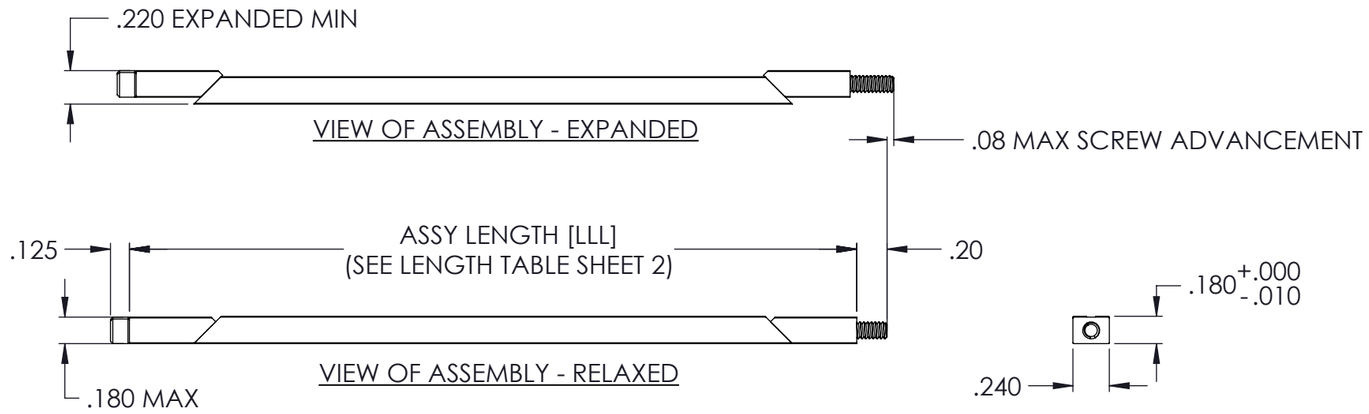
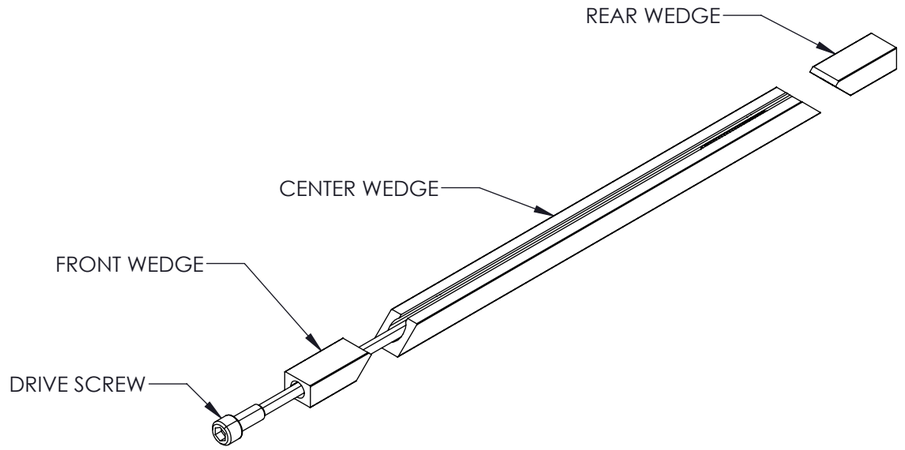
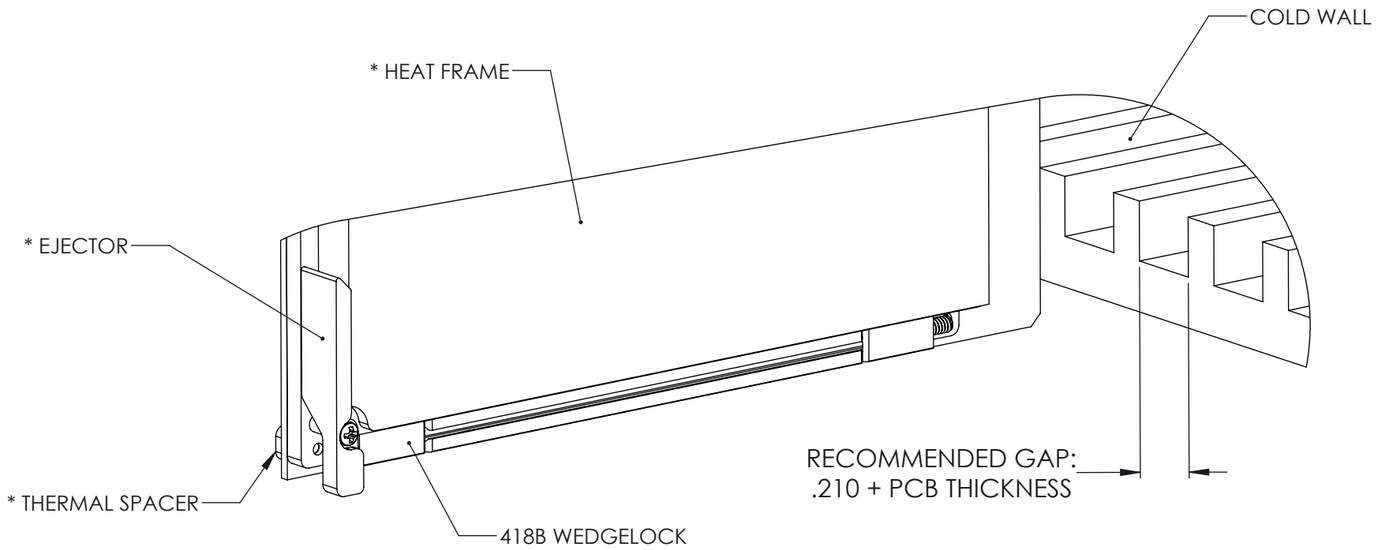






FEATURES

- 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 [2.35 G] OR [.92 G/CM]
- SPECIAL LENGTHS, FINISH, AND OTHER DESIGN OPTIONS AVAILABLE UPON REQUEST.

MATERIAL

WEDGES: ALUMINUM 6061-T6.

ALL OTHER HARDWARE: STAINLESS STEEL, PASSIVATED.

PARTS ARE SHIPPED AS COMPLETE ASSEMBLY EXCEPT FOR RIVET MOUNT OPTION (SEE SHEET 2)

RECOMMENDED DRIVE SCREW TORQUE IS 4 IN-LBS (45 N-CM)

* CONTACT WAKEFIELD FOR COMPLETE HEATFRAME ASSEMBLY OR OTHER COMPONENT ITEMS

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CAD GENERATED DRAWING

TOLERANCES UNLESS OTHERWISE SPECIFIED:
X.XX ± 0.010"
X.XXX ± 0.005"
ANGULAR ±1°
MACHINED SURFACES 63
INTERPRET GEOMETRIC TOLERANCES PER: ASME Y14.5M-1994
MATERIAL: SEE PART DETAIL
FINISH: SEE FINISH TABLE
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	TSF	1/12/2022
CHECKED	.	.
ENG APPR.		1/12/2022
MFG APPR.	.	.
Q.A.	.	.

WAKEFIELD THERMAL
2910 INDUSTRIAL DRIVE, RALEIGH, NC 27609

TITLE:
418B
WEDGELOCK DATASHEET
.180 X .240

SIZE B | DWG NO. 418B-DS | REV 21A

CAGE CODE: 3E7U8 | SCALE 1:1 | SHEET 1 OF 2

MODEL_INFO:
418B-480SSX-00

EXAMPLE

418B-480UMG-CP
418B WEDGELOCK ASSEMBLY
4.80" LENGTH, M2 MTG, M2.5 SOCKET HEAD, GOLD CHROMATE
CENTER MTG HOLE, LOCK PATCH

[LLL] LENGTH TABLE		
ASSY LENGTH [LLL]	[H] MTG X	[C] OPITON X/2
180	0.400	NA
230	0.700	0.350
280	0.900	0.450
330	1.400	0.700
380	1.900	0.950
430	2.400	1.200
480	2.900	1.450
530	3.400	1.700
580	3.900	1.950
OTHER LENGTHS AVAILABLE UPON REQUEST		

[H] MOUNTING TABLE	
DASH NO	DESCRIPTION
A	NO MOUNTING HOLES
1 R	⌀0.068/0.074 THRU ⌴ ⌀.156 X ↧.13 ⌵ ⌀0.140 X 100°
T	#0-80 UNF-2B THREADS
S	#2-56 UNC-2B THREADS
U	M2 X 0.4 - 6H THREADS
M	M2.5 X 0.45 - 6H THREADS
THREAD DEPTH ~0.040" THRU	

PART DEFINITION (REQUIRED)

PART NUMBER OPTIONS (NOT REQUIRED)

PART NUMBER CODE

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

SERIES PN

ASSY LENGTH (SEE LENGTH TABLE)

MOUNTING HOLE (SEE MOUNTING TABLE)

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

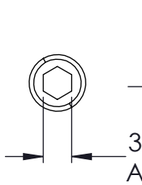
FINISH (SEE FINISH TABLE)

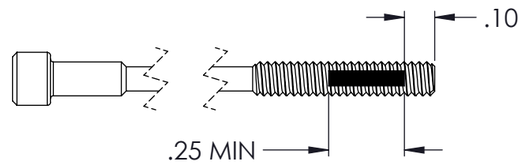
ADD 'P' FOR OPTIONAL LOCK PATCH

ADD 'N' FOR OPTIONAL LOCK NUT MS21043-04 SILVER PLATED A286 SS MODIFIED TO 0.180 MAX DIA

ADD 'W' FOR OPTIONAL LOCK AND FLAT WASHER

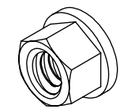
ADD 'C' FOR OPTIONAL CENTER MOUNTING HOLE





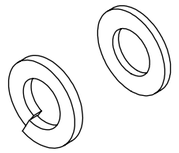
'P' OPTION

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



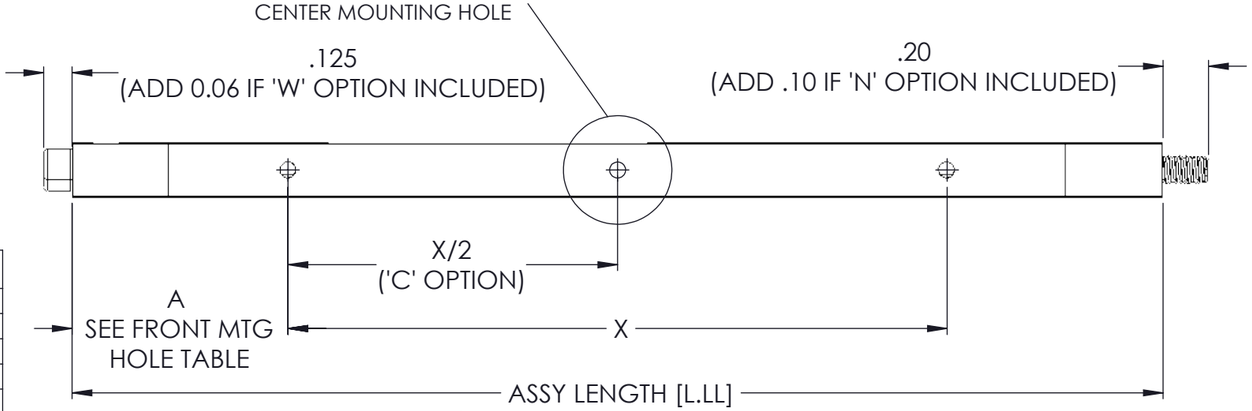
'N' OPTION

PREVENTS DISASSEMBLY OF REAR WEDGE FROM SCREW



'W' OPTION

LOCK AND FLAT WASHER



BOTTOM VIEW

[F] FINISH TABLE	
DASH NO	DESCRIPTION
A	NO FINISH
G	CHROMATE PER MIL-DTL-5541, CLASS 1A, TYPE I (GOLD)
T	TRIVALENT CHROMATE PER MIL- DTL-5541, CLASS 1A, TYPE II (CLEAR), RoHS COMPLIANT
B	BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2
H	HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2
D	HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2 WITH DRY FILM LUBE PER MIL-L-46010
E	ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT
*N	NADCAP COMPLIANT (EX: 'BN' - BLACK ANODIZE, NADCAP)

FRONT MTG HOLE TABLE	
ASSY LENGTH [LLL]	A
180-229	0.70
230-279	0.80
280 AND UP	0.95

NOTES:

1. SHIP AS COMPLETE ASSEMBLY IN RELAXED STATE
   (IF RIVET MOUNTING OPTION IS SELECTED, SHIP UNASSEMBLED)

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SIZE	DWG NO.	REV
B	418B-DS	21A
CAGE CODE: 3E7U8	SCALE 1:1	SHEET 2 OF 2

MODEL_INFO:
418B-480SSX-00