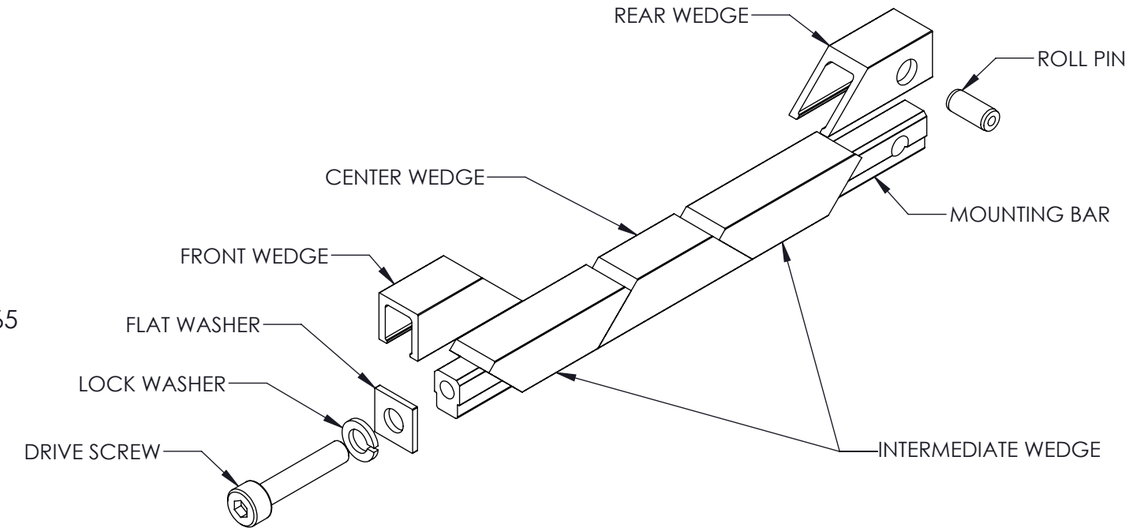
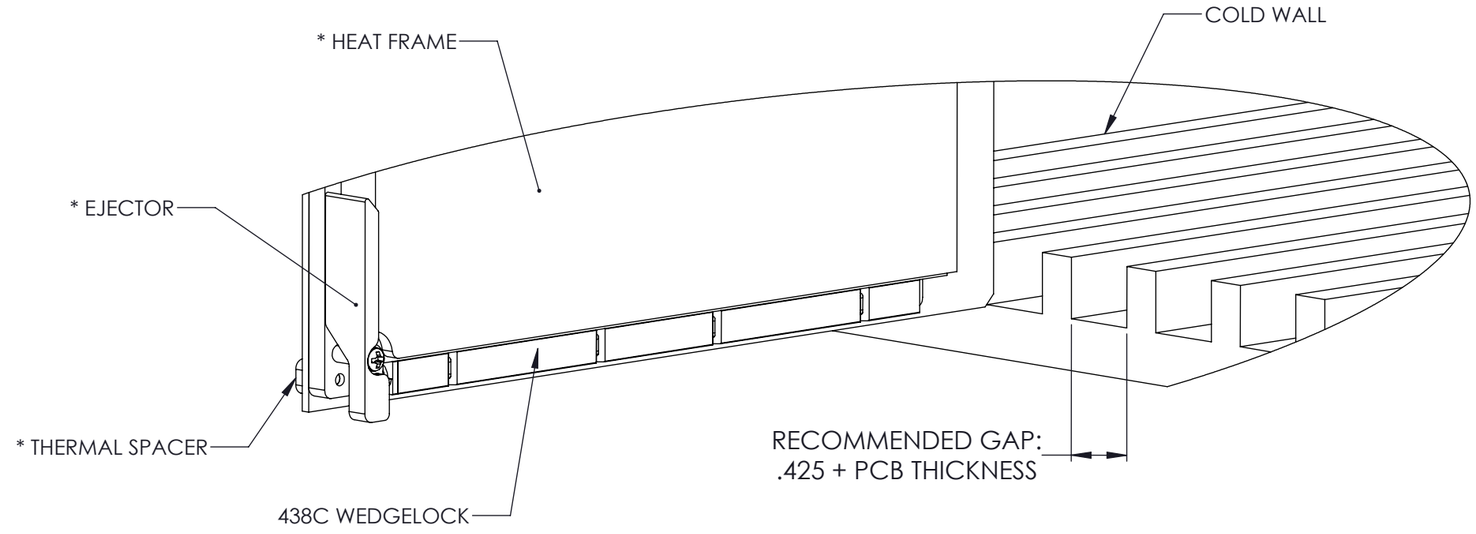






FEATURES

- DESIGNED FOR HEAVY SHOCK AND VIBRATION.
- UNIFORM CLAMPING FORCE AND HIGH THERMAL TRANSFER.
- NARROW WIDTH FOR MAXIMUM PCB COMPONENT AREA.
- LOW PROFILE DESIGN ALLOWS FOR DECREASED SLOT PITCH.
- CAPTIVATED REAR WEDGE.
- LIGHT WEIGHT = ASSEMBLY LENGTH X .195 OZ [5.53 G] OR [2.18 G/CM]
- SPECIAL LENGTHS, FINISH, AND OTHER DESIGN OPTIONS AVAILABLE UPON REQUEST.

MATERIAL
MOUNTING BAR AND WEDGES: ALUMINUM 6063-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 20 IN-LBS (2.3 N-M)
24 IN-LBS (2.8 N-M) ALLOWABLE MAX WITH LOCK PATCH

* 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		3/9/2023
CHECKED	.	.
ENG APPR.		3/9/2023
MFG APPR.	.	.
Q.A.	.	.

WAKEFIELD THERMAL
2910 INDUSTRIAL DRIVE, RALEIGH, NC 27609

TITLE:
438C
WEDGELOCK DATASHEET
.375 X .365

SIZE B | DWG NO. 438C-DS | REV 23A

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

MODEL_INFO:
DS_EXAMPLE

[LLL] LENGTH TABLE		
ASSY LENGTH [LLL]	[H] MTG X	[C] OPITON X/2
430	2.150	1.075
480	2.650	1.325
530	3.150	1.575
580	3.650	1.825
630	4.150	2.075
680	4.650	2.325
730	5.150	2.575
780	5.650	2.825
OTHER LENGTHS AVAILABLE UPON REQUEST		

[H] MOUNTING TABLE	
DASH NO	DESCRIPTION
A	NO MOUNTING HOLES
1 R	∅0.134/0.139 THRU ⌵ ∅0.309 X 60°
T	#0-80 UNF-2B THREADS
S	#2-56 UNC-2B THREADS
V	#4-40 UNC-2B THREADS
U	M2 X 0.4 - 6H THREADS
M	M2.5 X 0.45 - 6H THREADS
Y	M3 X 0.5 - 6H THREADS
THREAD DEPTH .310	

EXAMPLE

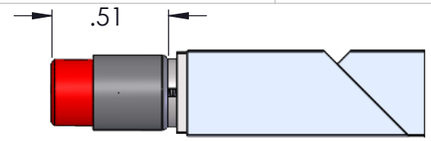
438C-480SSB-CKP
438C WEDGELOCK ASSEMBLY
4.80" LENGTH, 2-56 MTG, 9/64 SOCKET HEAD, BLACK ANODIZE
CENTER MTG HOLE, CAPTIVE SCREW, LOCK PATCH

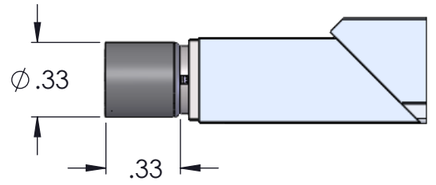
PART NUMBER CODE

438C-[LLL][H][D][F]-[C][K][P][V]

PART DEFINITION (REQUIRED)
PART NUMBER OPTIONS (NOT REQUIRED)
SERIES PN
ASSY LENGTH (SEE LENGTH TABLE)
MOUNTING HOLE (SEE MOUNTING TABLE)
DRIVE SCREW 'M' FOR M3 HEX 'S' FOR 9/64 HEX
FINISH (SEE FINISH TABLE)
*ADD 'V' FOR OPTIONAL VISUAL INDICATOR
ADD 'P' FOR OPTIONAL LOCK PATCH
ADD 'K' FOR OPTIONAL CAPTIVE SCREW FEATURE
ADD 'C' FOR OPTIONAL CENTER MOUNTING HOLE

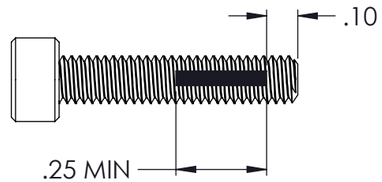






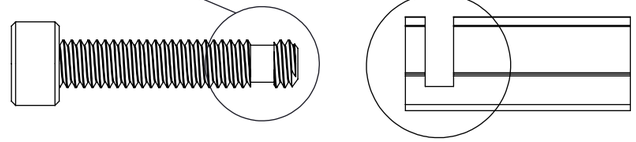
'V' OPTION

VISUALLY CONFIRMS LOCKED IN PLACE WHEN SCREW HEAD IS CONCEALED



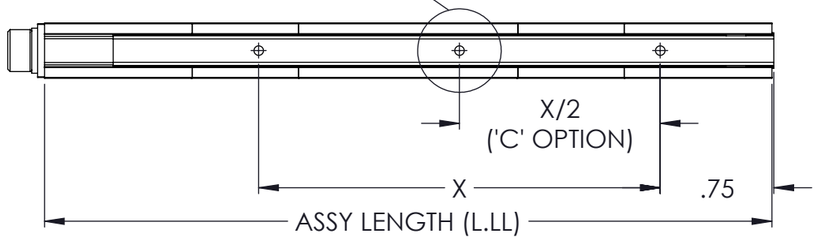
'P' OPTION

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



'K' OPTION

CAPTIVATES SCREW BY FREE SPINNING WHEN WEDGELOCK IS IN RELAXED POSITION



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)

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	438C-DS	23A
CAGE CODE: 3E7U8	SCALE 1:1	SHEET 2 OF 2

MODEL_INFO:
438MOUNTING BAR