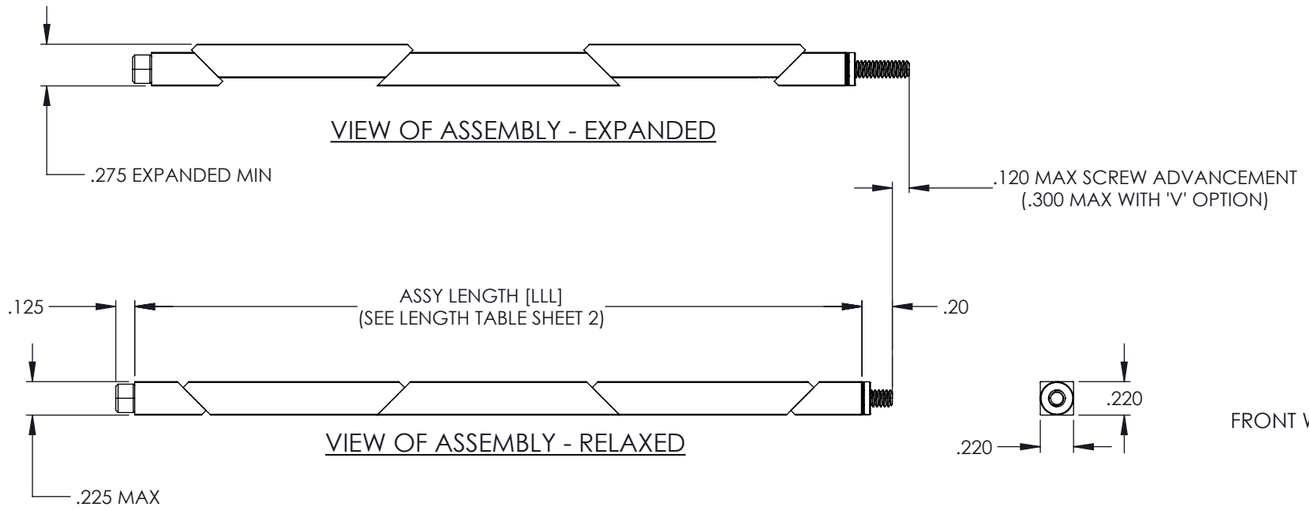
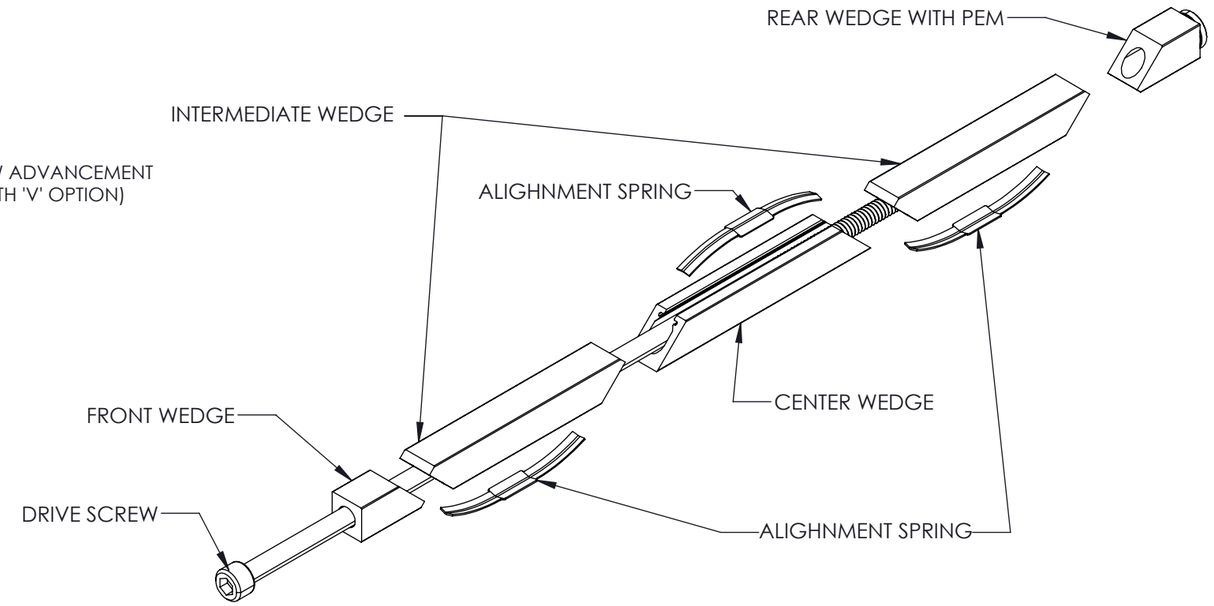
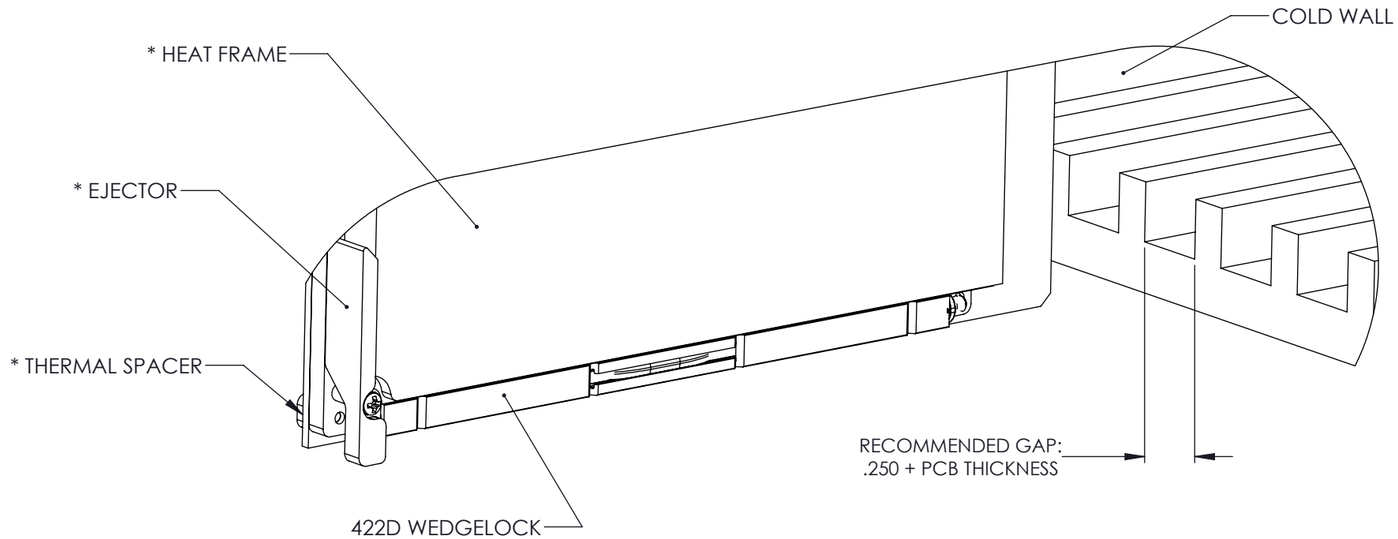






FEATURES

- 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.
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 6 IN-LBS (68 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 | HERMAL
2910 INDUSTRIAL DRIVE, RALEIGH, NC 27609

TITLE:
422D
WEDGELOCK DATASHEET
.220 X .220

SIZE B | DWG NO. 422D-DS | REV 21A
CAGE CODE: 3E7U8 | SCALE 1:1 | SHEET 1 OF 2

MODEL_INFO:
422D-480UMx-00.STEP

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

EXAMPLE

422D-480UMG-CP
422D WEDGELOCK ASSEMBLY
4.80" LENGTH, M2 MTG, M2.5 SOCKET HEAD, GOLD CHROMATE
CENTER MTG HOLE, LOCK PATCH

PART NUMBER CODE

422D-[LLL][H][D][F]-[C][W][N][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 M2.5 HEX
'S' FOR 3/32 HEX

3/32 OR M2.5 ACROSS FLATS

FINISH (SEE FINISH TABLE)

ADD 'V' FOR OPTIONAL VISUAL INDICATOR

ADD 'P' FOR OPTIONAL LOCK PATCH

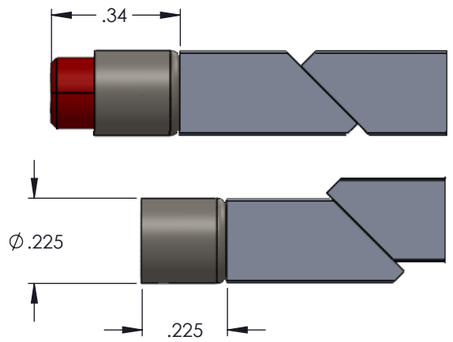
OPTIONAL LOCK NUT
ADD 'A' FOR MS21043-04 SILVER PLATED A286 SS
ADD 'N' FOR MS21042-04 CADMIUM PLATED STEEL

ADD 'W' FOR OPTIONAL LOCK AND FLAT WASHER

ADD 'C' FOR OPTIONAL CENTER MOUNTING HOLE

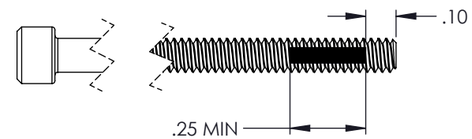
[H] MOUNTING TABLE	
DASH NO	DESCRIPTION
A	NO MOUNTING HOLES
1 R	⌀0.068/0.073 THRU ⌴ ⌀.156 X ↧.16 ⌵ ⌀0.140 X 100°
T	#0-80 UNF-2B THREADS
S	#2-56 UNC-2B THREADS
U	M2 X 0.4 - 6H THREADS
M	M2.5 X 0.45 - 6H THREADS
THREAD DEPTH ~0.050" THRU	

[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)



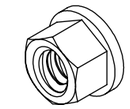
'V' OPTION

VISUALLY CONFIRMS LOCKED IN PLACE
WHEN RED SCREW HEAD IS CONCEALED



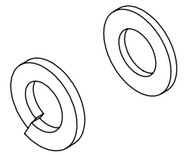
'P' OPTION

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



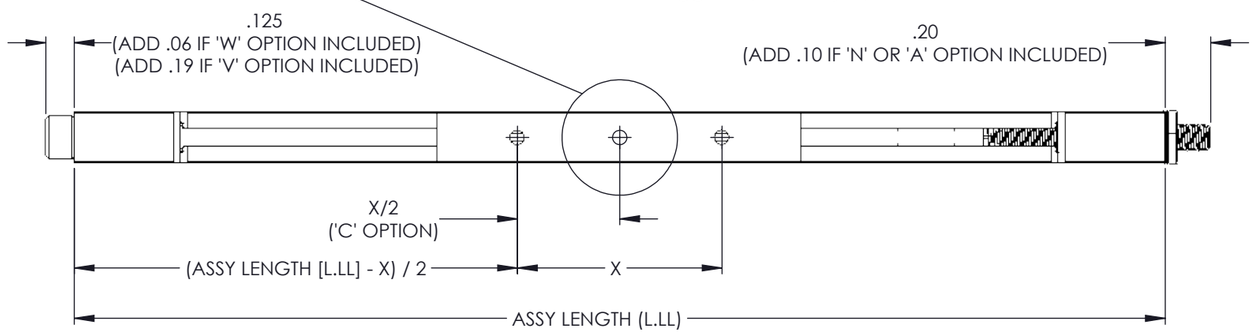
'A' OR 'N' OPTION

PREVENTS DISASSEMBLY OF
REAR WEDGE FROM SCREW



'W' OPTION

LOCK AND FLAT WASHER



BOTTOM VIEW

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	422D-DS	21A
CAGE CODE: 3E7U8	SCALE 1:1	SHEET 2 OF 2

MODEL_INFO:
422D-480UMX-00