

**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				 2910 INDUSTRIAL DRIVE, RALEIGH, NC 27609	
TOLERANCES UNLESS OTHERWISE SPECIFIED: X.XX ± 0.010" X.XXX ± 0.005" ANGULAR ± 1°	NAME	DATE		TITLE:	
MACHINED SURFACES <sup>63</sup>	DRAWN	3/9/2023		<b>438C            WEDGELOCK DATASHEET            .375 X .365</b>	
INTERPRET GEOMETRIC TOLERANCES PER: ASME Y14.5M-1994	CHECKED				
MATERIAL: SEE PART DETAIL	ENG APPR.	3/9/2023		REV	
FINISH: SEE FINISH TABLE	MFG APPR.			23A	
DO NOT SCALE DRAWING	Q.A.			SIZE DWG NO.	
				B	438C-DS
				CAGE CODE:	3E7U8
				SCALE	1:1
				MODEL_INFO: DS_EXAMPLE	SHEET 1 OF 2

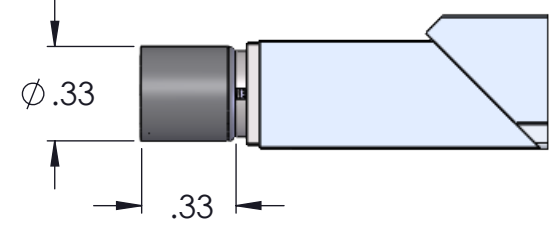
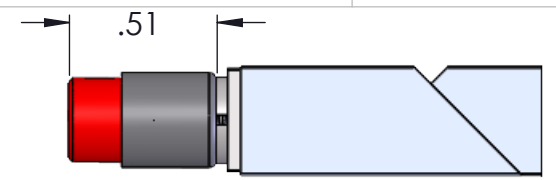
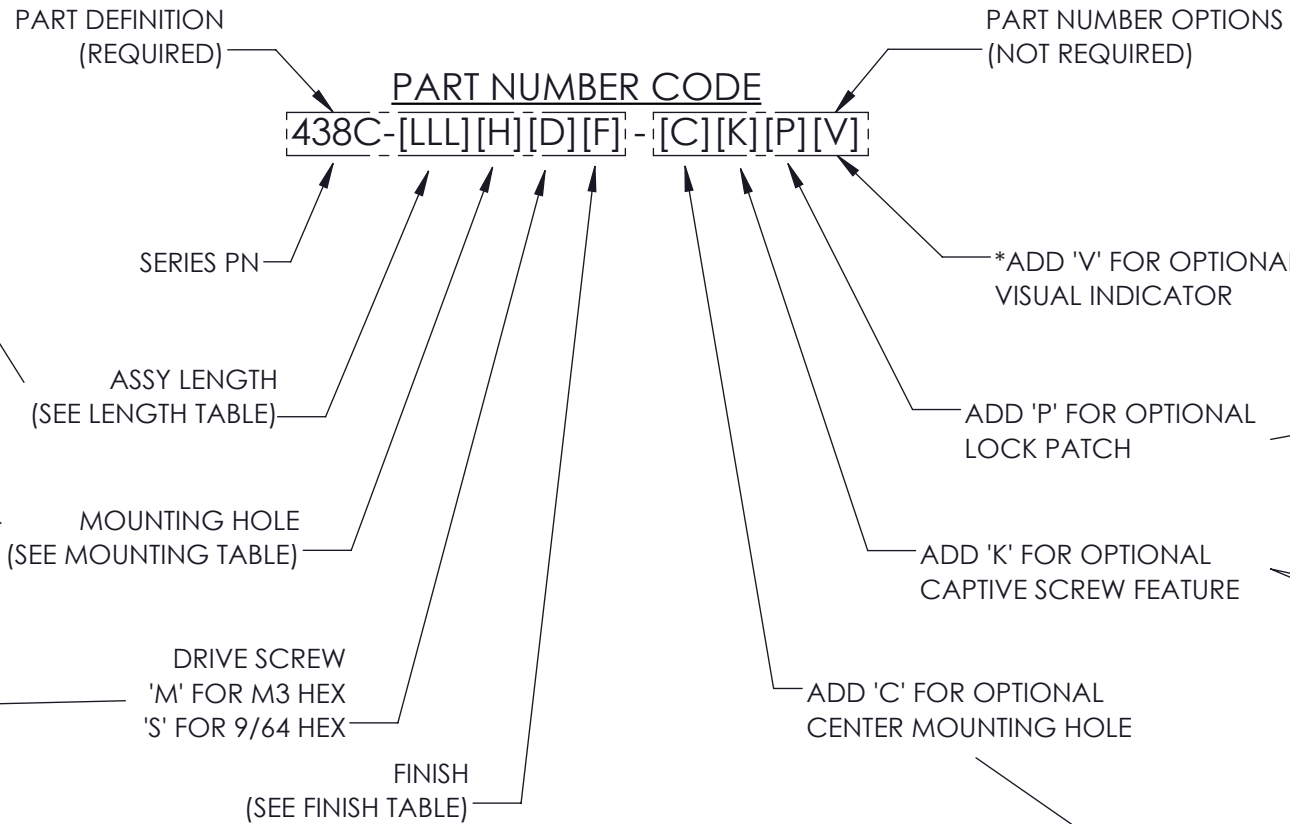
[LLL] LENGTH TABLE		
ASSY LENGTH [LLL]	[H] MTG X	[C] OPITON X/2
430	2.150	1.075
480	2.650	1.325
530	3.150	1.575
580	3.650	1.825
630	4.150	2.075
680	4.650	2.325
730	5.150	2.575
780	5.650	2.825
OTHER LENGTHS AVAILABLE UPON REQUEST		

[H] MOUNTING TABLE	
DASH NO	DESCRIPTION
A	NO MOUNTING HOLES
$\triangle$ R	$\phi$ 0.134/0.139 THRU $\checkmark$ $\phi$ 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	

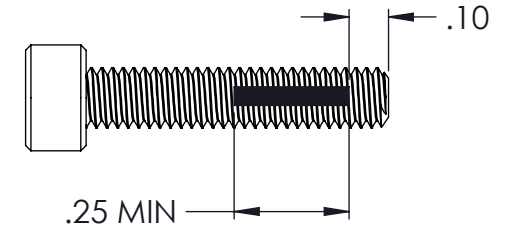
[F] FINISH TABLE	
DASH NO	DESCRIPTION
A	NO FINISH
G	CHROMATE PER MIL-DTL-5541, CLASS 1A, TYPE I (GOLD)
T	TRIVALENT CHROMATE PER MIL-DTL-5541, CLASS 1A, TYPE II (CLEAR), RoHS COMPLIANT
B	BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2
H	HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2
D	HARD BLACK 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)

**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

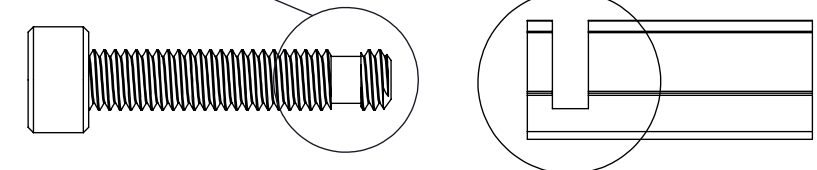
**PART NUMBER CODE**  
 438C-[LLL][H][D][F]-[C][K][P][V]



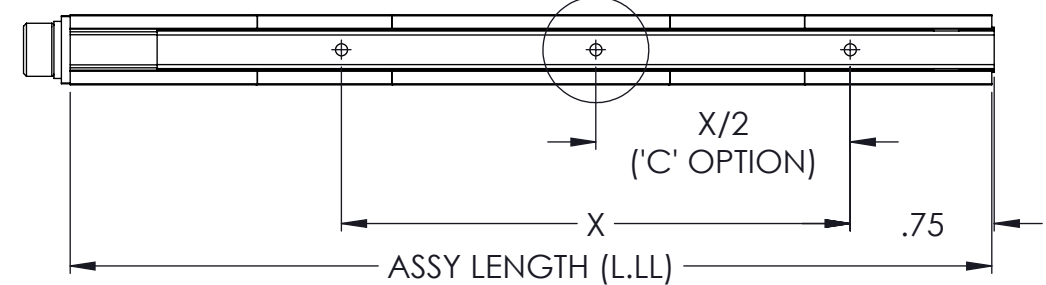
**'V' OPTION**  
 VISUALLY CONFIRMS LOCKED IN PLACE WHEN SCREW HEAD IS CONCEALED



**'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**

**NOTES:**  
 $\triangle$  SHIP AS COMPLETE ASSEMBLY IN RELAXED STATE  
 (IF RIVET MOUNTING OPTION IS SELECTED, SHIP UNASSEMBLED)

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MODEL_INFO: 438MOUNTING BAR		CAGE CODE: 3E7U8	SCALE 1:1	SHEET 2 OF 2